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CATALOGUE OF THE PALEOCENE AND EOCENE MOLLUSCA OF THE SOUTHERN AND EASTERN UNITED STATES

PART II. GASTROPODA

By

KATHERINE V. W. PALMER
AND
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Paleontological Research Institution

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CATALOGUE OF THE PALEOCENE AND EOCENE MOLLUSCA OF THE SOUTHERN AND EASTERN UNITED STATES

PART II. GASTROPODA (EXCLUDING PTEROPODA, PART I)

Katherine V. W. Palmer[1]
and
Doris C. Brann[2]

INTRODUCTION

The introduction, acknowledgments, code to names of organizations, literature cited, and stratigraphic chart for the complete catalogue were published in Part I. Additions, corrections, and list of species of the gastropods are included in Part II with the text of the Gastropoda. The Pteropoda of the Gastropoda are in Part I, pages 356-360.

The new names included in Part II are:

Polinices ? julianna, new name.

Pyramidella (Ulfa) lapinaria, new name.

Uromitra brazosana, new name.

In addition to those whose services were acknowledged in Part I, we wish to thank J. C. Bradley, Department of Entomology, Cornell University, Ithaca, New York, for help in regard to nomenclatural problems; the officials of the United States National Museum for granting permission for the illustration and publication of certain unfigured types of turrid species described by Thomas Casey; Axel A. Olsson, Honorary Research Associate, Smithsonian Institution, for the photographs of the several types figured herein; Denise Mongin, Centre National de la Recherche Scientifique, Paris, France and Mrs. J. H. Mason, Beal-Maltie Shell Museum, Rollins College, Winter Park, Florida, for help in search for specimens.

As in the case of the few illustrations of types of pelecypods in Part I (plates 1-3), two plates (4, 5) of figures of types are included which have not heretofore been published. These figures are early drawings of obscure species. They represent the only available illustrations and are important. Because the types of the turrid species, described but not figured by Thomas Casey (1903, 1904), were not segregated and differentiated as to type by Casey, there has been some question as to their exact status. Those which were figured by Harris (1937) and indicated as holotype or "cotype" (syntype) we have continued that designation. The specimens which are figured herein for the first time of species described by Casey we are designating as lectotype. These specimens have the same measurements as given by Casey in his description. They are the only remaining original specimens of Casey. It seems advisable to designate them as lectotypes.

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[1] Director, Paleontological Research Institution.
[2] Research Assistant, Paleontological Research Institution.

Cassididae is the correct form for the family of cassids but the term is not available in Mollusca because the family group name was used in Coleoptera, by Stevens, 1831, based on the genus *Cassida* Linnaeus, 1758. Stevens erected Cassidiadae which currently is modified to Cassididae. Therefore, Cassidae is used in this catalogue. This reference is marked with an asterisk in the text.

A ? before a generic name indicates that the specific identification is questioned.

To the Glossary of Stratigraphic Terms of Part I the following should be added:

Rocky Cedar Creek lentil.—G. D. Harris, 1896, Bull. Amer. Paleont., vol. I, No. 4, pp. 16, 41, Rocky Cedar Creek, Kaufman Co., Texas, Paleocene, limestone lentil, Pisgah mem., Kincaid fm., lower Midway gr.

Kimbrel bed.—T. L. Casey, 1902, Sci., n.s., vol. 15, p. 716, T. W. Kimbrel estate, S. of Montgomery, Grant Par., La., upper Eocene, lower Jackson gr.

CORRECTIONS TO PART I

Since Part I of this catalogue was published the type collection of the Maryland Geological Survey has been transferred from the Geology Department, Johns Hopkins University, Baltimore, Maryland, to the United States National Museum. Such correction should be made in the pertinent items in Part I.

The following changes in the text of Part I should be made:

Under *Aequipecten perplanus* (Morton), page 25 delete under *Locality* line beginning "Type ANSP . . .". Under *Type* delete word "not" in the brackets; read "Harris and Palmer", for "Harris". Type is in the ANSP labelled *Pecten perplanus* but it is *Pecten spillmani*

Gabb. On Plate 1, figures 8, 9 for *Aequipecten perplanus* (Morton), read *Chlamys spillmani* (Gabb) page 87; put holotype in quotation marks and read labelled "type" ANSP of *Pecten perplanus* (Morton).

Under *Chlamys spillmani* Gabb read "Pl. 1, figs. 7, 8".

We are indebted to Lloyd Gawe, Louisiana State University for pointing out this confusion.

Page 88, under *Chlamys wahtubbeana* line eight add "Gardner, 1945, p. 65, not p. 180 as in explanation of plate, pl. 10, fig. 24 copy Dall holotype."

Page 119, third line from bottom, read (*"Latiarca"*) for (*"Cyphoxis"*).

Page 254, line 16, include p. 58 and read *"exilatus"* for *"elixatus"*.

Page 429, lines 13-17 Bibliography move after line 3 above

Under *Spiratella augustana* and *Tibiella marshi,* Pteropoda, Pt. I, insert Curry, 1965. We do not agree with his American correlation based on indefinite information.

The following are additional references used in Part II:

Curry, Dennis

1965. *The English Palaeogene pteropods.* Malacol. Soc. London, Proc., vol. 36, pt. 6, pp. 357-371, pls. 16, 17, text figs. 1-21

Davies, A. Morley

1935. *Tertiary faunas. A textbook for oilfield palaeontologists and students of geology.* Vol. I. *The composition of Tertiary faunas.* Pp. 406, 565 figs. Thomas Murby & Co., London

Finlay, Harold John

1926. *New specific names for austral Mollusca.* New Zealand Inst., Trans., vol. 57, pp. 488-533

MOLLUSCA
GASTROPODA

Abderospira aldrichi (Langdon) **Scaphandridae**

Not *Bulla biumbilicata* Meyer, 1884 as stated by Meyer and Aldrich, 1886, pp. 49, 50 (= *A. meyeri*, new name, Palmer, 1937). Not "Aldrich, 1886" as in Palmer, 1937, p. 485.

Bulla (Haminea) Aldrichi Langdon, 1886, pp. 208, 209; de Gregorio, 1890, p. 169; not Cossmann, 1893, p. 50 under *Atys oviformis* (Meyer)

Haminea Aldrichi Langdon, Aldrich, 1886, p. 36 in part

Bulla aldrichi Langdon, Meyer and Aldrich, 1886, pp. 49, 50 in part. Not "Aldrich, 1886", as in Palmer, 1937, p. 485

Not *Cylichna aldrichi* (Langdon), Aldrich, 1897a, p. 7, pl. 4, fig. 5; Harris, 1899a, p. 9 in part, pl. 1, fig. 13 copy Aldrich = *A. sabina* Palmer

Abderospira aldrichi (Langdon), Stewart, 1927, p. 439; Palmer, 1937, p. 485, pl. 75, figs. 10, 11; Palmer, 1944, p. 20, pl. 1, figs. 1, 2 type; Brann and Kent, 1960, p. 18

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, "Ferry road, half a mile above the Upper Landing, Claiborne" Bluff, Alabama R. (type) (Langdon); *Washington Co.*, above St. Stephens, Gopher Hill at water's edge, Tombigbee R. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on the A. and V.R.R.

Type.—Holotype, No. 638723 USNM

Abderospira leblanci Palmer **Scaphandridae**

Abderospira leblanci Palmer *in* Harris and Palmer, 1947, p. 457, pl. 64, figs. 8, 9; Brann and Kent, 1960, p. 18

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.

Locality.—LA.: *Catahoula Par.*, Danvillle Ldg., Ouachita R. (type)

Types.—Holotype, No. 20021; paratype, No. 20022 PRI

Abderospira meyeri Palmer **Scaphandridae**

Bulla biumbilicata Meyer, 1884, p. 110 text fig. Not *B. biumbilicata* Deshayes, 1862, p. 640, pl. 39, figs. 33-35

Abderospira meyeri Palmer, 1937, p. 487, pl. 75, fig. 9 copy Meyer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 638694 USNM

Abderospira oviformis (Meyer) **Scaphandridae**

Cylichna oviformis Meyer, 1886b, p. 77, pl. 2, fig. 32

Atys oviformis (Meyer), Cossmann, 1893, p. 50

Abderospira oviformis (Meyer), Harris and Palmer, 1947, p. 457, pl. 64, figs. 21, 22; Brann and Kent, 1960, p. 18

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.

Type.—Holotype, No. 638837 USNM

Abderospira sabina Palmer **Scaphandridae**

Cylichna aldrichi (Langdon), Aldrich, 1897a, p. 7, pl. 4, fig. 5; Harris, 1899a, p. 9 in part, pl. 1, fig. 13 copy Aldrich. Not *Bulla Aldrichi* Langdon, 1886, p. 209

Abderospira sabina Palmer, 1937, p. 487, pl. 75, fig. 12 copy Aldrich, 1897a, not holotype of *C. aldrichi* Langdon

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type); Woods Bluff, Tombigbee R.; 3 mi. SW. Thomasville; *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R. (Harris)
Type.—Holotype, No. 638974 USNM

Abderospira stewarti Palmer **Scaphandridae**

Abderospira stewarti Palmer, 1937, p. 488, pl. 75, figs. 7, 8; Brann and Kent. 1960, p. 18

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. (type)
Type.—Holotype, No. 3384 PRI

Acanthina (Gastridium) vetusta Conrad
See *Pseudoliva vetusta* (Conrad)

Aciculiscala jacobi (Palmer) **Scalariidae** (Scalidae, Epitoniidae)

"Epitonium" jacobi Palmer, 1937, p. 94, pl. 10, figs. 2-4; Brann and Kent, 1960, p. 374

Aciculiscala jacobsi [*sic*] (Palmer), Sohl, 1963, pp. 748, 749, not *jacobsi* as in Sohl

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Ouachita Par.*, Lapinere Ldg., E. bank Ouachita R. (type)
Types.—Holotype, No. 2750; paratype, No. 2751 PRI

Acirsa (Acirsella) elegans (H. C. Lea)
See *Bittium (Stylidium) elegans* (H. C. Lea)

Acirsa (Hemiacirsa) gracilior (Meyer) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria gracilior Meyer, 1886b, p. 67, pl. 2, fig. 2; de Gregorio, 1890, p. 131, pl. 12, fig. 2 copy Meyer

Acirsa (Acirsella) gracilior (Meyer), Cossmann, 1912b, p. 99

Acirsa (Hemiacirsa) gracilior (Meyer), Palmer, 1937, p. 110, pl. 10, fig. 5 copy holotype

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638816 USNM

Acirsa (Acirsella) henryleai Palmer
See *Bittium (Stylidium) henryleai* (Palmer)

Acirsa (Hemiacirsa) whitneyi Palmer **Scalariidae** (Scalidae, Epitoniidae)

Acirsa (Hemiacirsa) whitneyi Palmer, 1937, p. 110, pl. 10, figs. 6, 7; Brann and Kent, 1960, p. 21

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. (type). TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 2752 PRI

Acirsella elegans (H. C. Lea)
See *Bittium (Stylidium) elegans* (H. C. Lea)

Acirsella gracilior (Meyer)
See *Acirsa (Hemiacirsa) gracilior* (Meyer)

Acirsella henryleai Palmer
See *Bittium (Stylidium) henryleai* (Palmer)

"Aclis" modesta Meyer **Scalariidae** (Scalidae, Epitoniidae)

Aclis modesta Meyer, 1886b, p. 69, pl. 2, fig. 1; de Gregorio, 1890, p. 159, pl. 15, fig. 35 copy Meyer; Cossmann, 1893, p. 25
"Aclis" modesta Meyer, Palmer, 1937, p. 111, pl. 8, fig. 8 copy Meyer

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). LA.: *Winn Par.*, St. Maurice (James E. Allen, 1965)
Type.—Holotype, No. 638820 USNM

Acrilla unilineata (Heilprin) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria unilineata Heilprin, 1880, p. 150, fig. 5; Schuchert, *et al.*, 1905, p. 583
Scala unilineata (Heilprin), Aldrich, 1897a, p. 5, pl. 3, figs. 5, 5a holotype
Acrilla unilineata (Heilprin), Harris and Palmer, 1947, p. 244, pl. 28, fig. 5, figs. 12, 20 holotype; Brann and Kent, 1960, p. 22

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Holotype, No. 8920 USNM

Acrilloscala (Bifidoscala) planulata (I. Lea)
See *Rudiscala sessilis* (Conrad)

Acrilloscala sp. **Scalariidae** (Scalidae, Epitoniidae)

Acrilloscala sp., Palmer, 1937, p. 105, pl. 10, fig. 8; Brann and Kent, 1960, p. 22

Range.—Middle Eocene. Weches fm., middle Claiborne gr.
Locality.—TEXAS: *Angelina Co.*, H. W. Berryman Place, 2½ mi. from Linwood, 11 mi. from Rusk
Type.—Figured specimen, No. 2753 PRI

Acrocoelum cancellatum (H. C. Lea) **Mathildidae**

Pasithea cancellata H. C. Lea, 1841, p. 93, pl. 1, fig. 2; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 9
Actaeonema striata Conrad, 1865c, p. 147, pl. 11, fig. 2; Conrad, 1866a, p. 9. Not *Pasithea striata* I. Lea, 1833, p. 102, pl. 4, fig. 83

Eglisia pulchra Meyer, 1886b, p. 67, pl. 1, fig. 16
Scalaria (Eglisia) pulchra Meyer, de Gregorio, 1890, p. 130 in part, p. 132, pl. 12, fig. 1 copy Meyer under *S. staminea*
Pyramis striata (Conrad), de Gregorio, 1890, p. 161 in part, pl. 15, fig. 39 copy Conrad; not Cossmann, 1893, p. 29
Rissoa cancellata (H. C. Lea), de Gregorio, 1890, p. 132, pl. 12, fig. 9 copy H. C. Lea
Tuba cancellata (H. C. Lea), Dall, 1892, pp. 320, 341; Palmer, 1937, p. 93, pl. 9, figs. 3-6, 10; pl. 79, fig. 13 holotype; Brann and Kent, 1960, p. 887
Rissoina ? cancellata (H. C. Lea), Cossmann, 1893, p. 27
Mathilda pulchra (Meyer), Cossmann, 1893, p. 30
Acrocoelum cancellatum (H. C. Lea), Glibert, 1962b, p. 112

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, No. 13167 ANSP. Holotype *Eglisia pulchra* Meyer, No. 638817 USNM. Type *Actaeonema striata* Conrad, missing Moore, 1962, p. 98

Acrostemma salina Dall
See "*Atys*" *salina* Dall

Actaeon
See *Acteon*

Actaeon annectens Meyer, Cossmann, 1893 in part. Not Meyer, 1885a
See *Acteon pomilius* Conrad
See also *Nucleopsis subvaricata* (Conrad)

Actaeon (Tornatellaea) bellus Conrad
See *Tornatellaea bella* Conrad

Actaeon (Tornatellaea) bellus Conrad, Harris, 1896; Brann and Kent, 1960. Not Conrad, 1860
See *Tornatellaea* sp.

Actaeon cossmanni Aldrich
See *Crenilabium cossmanni* (Aldrich)

Actaeon inflatior Meyer
See *Acteon pomilius punctatus* I. Lea

Actaeon latus Conrad
See *Tornatellaea lata* (Conrad)

Actaeon magnoplicatus H. C. Lea
See *Odostomia (Evalea) melanella* (I. Lea)

Actaeon melanelllus I. Lea
See *Odostomia (Evalea) melanella* (I. Lea)

Actaeon prisca (Conrad)
See *Actaeonema priscum* Conrad

Actaeon (Tornatellaea) quercollis Harris
See *Tornatellaea quercollis* Harris

Actaeon subvaricatus (Conrad)
See *Nucleopsis subvaricata* (Conrad)

Actaeonema priscum Conrad **Iravadiidae**

Acteonema prisca Conrad, 1865e, p. 213, pl. 21, fig. 3; Conrad, 1866a, p. 9; Conrad, 1868, p. 732 *Actaeonema*
Actaeon prisca (Conrad), Whitfield, 1892, p. 237, pl. 36, figs. 7, 8 type; Whitfield, 1899, p. 167

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Missing, ANSP Moore, 1962, p. 89; not at State Mus., Trenton, 1964

Actaeonema striata Conrad
See *Acrocoelum cancellatum* (H. C. Lea)

Actaeonema striatum (I. Lea)
See "*Pasithea*" *striata* I. Lea

Actaeonema sulcatum (I. Lea) **Iravadiidae**

Pasithea sulcata I. Lea, 1833, p. 103, pl. 4, fig. 84; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 44
Pyramis sulcata (Lea), Conrad, App. *in* Morton, 1834, p. 4; de Gregorio, 1890, p. 160, pl. 15, fig. 41 copy Lea, fig. 42
Caelatura sulcata (Lea), Conrad, 1865a, pp. 28, 191+
Actaeonema sulcata (Lea), Conrad, 1866a, p. 9; Cossmann, 1893, p. 29; Cossmann, 1921b, p. 49, pl. 2, figs. 55, 56; Palmer, 1937, p. 157, pl. 82, fig. 12 type; Glibert, 1962b, p. 46
Littorina fervens de Gregorio, 1890, p. 133, pl. 12, fig. 12
Rissoa sulcata (Lea), Dall, 1892, p. 341 cf. *Onoba*
Actaeonema sulcatum (Lea), Wenz, 1939, p. 593, fig. 1627

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, No. 5504 ANSP. Holotype *Littorina fervens* de Gregorio formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Actaeonidea (Rictaxis) annectens (Meyer)
See *Acteon annectens* Meyer

Actaeonidea (Rictaxis) punctatus (I. Lea)
See *Acteon pomilius punctatus* I. Lea

Acteocina commixta (de Gregorio) **Scaphandridae**

Bulla (Utriculus) commixta de Gregorio, 1890, p. 168, pl. 17, figs. 13, 14
Acteocina commixta (de Gregorio), Palmer, 1937, p. 490, pl. 75, figs. 1, 3 copies de Gregorio, ? fig. 2 Harris drawing

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Acteocina leai (Aldrich) **Scaphandridae**

Bullina leai Aldrich, 1895b, p. 7, pl. 2, fig. 6
Tornatina leai (Aldrich), Cossmann, 1895d, p. 34 *fide* Harris, 1899a, p. 7; Harris, 1899a, p. 7, pl. 1, fig. 8

Acteocina leai (Aldrich) ?, Gardner, 1935, p. 205 in part; Palmer, 1937, p. 491, pl. 75, fig. 19 holotype

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); *Wilcox Co.*, Yellow Bluff, Alabama R.

Types.—Holotype, No. 644625; paratypes No. 644626 USNM

Acteocina leai (Aldrich) ?, Gardner, 1935 in part
See *Acteocina* sp.

Acteocina wetherilli (I. Lea) **Scaphandridae**

Acteon Wetherilli I. Lea, 1833, p. 213, pl. 6, fig. 224; H. C. Lea, 1849, p. 230 Miocene

Acteocina Wetherellii [*sic*] (I. Lea), Gray, 1847, p. 160; Zilch, 1959, p. 23 *wetherelli*

Tornatina wetherelli [*sic*] (I. Lea), Conrad, 1865a, p. 35 not "Wheterelli" as stated in De Gregorio, 1890, p. 170; Whitfield, 1892, p. 239, pl. 36, fig. 11 copy Lea; Whitfield, 1899, p. 176 Eocene; Cossmann, 1893, p. 49

Tornatina Wetherilli (I. Lea), Dall, 1890, p. 15 in part. Not "H. C. Lea, 1848, p. 5", de Gregorio, 1890, p. 170 "*Bullina Wetherelli*"

Bulla (Tornatina) Wetherelli [*sic*] (I. Lea), de Gregorio, 1890, p. 170, pl. 17, fig. 11 copy Lea

Range.—Miocene. Because this species has been cited as both Eocene and Miocene, the data are included herein
Locality.—N.J.: *Monmouth Co.*, Deal (type). Not ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. as in Conrad, 1865a, p. 35
Type.—Holotype, No. 14431 ANSP

Acteocina sp. **Scaphandridae**

Acteocina leai (Aldrich) ?, Gardner, 1935, p. 205 in part. Not Aldrich 1895b, p. 7

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R., 4 mi. below Webberville (USGS sta. 5280)
Type.—Unfigured specimen, probably USNM

Acteocina ? sp. **Scaphandridae**

Acteocina ? sp. Gardner, 1935, p. 204, pl. 20, fig. 3

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R., ¼ mi. above mouth of Dry Creek, about 4 mi. downstream from Webberville
Type.—Figured specimen, No. 370982 USNM

Acteocina sp. **Scaphandridae**

Acteocina sp. Richards, 1950, p. 15

Range.—Lower or middle Eocene
Locality.—N.C.: *Johnston Co.*, 3 mi. W. of Clayton
Type.—Unfigured specimen, ANSP

Acteocina sp. **Scaphandridae**

Bulla (Cylichna) galba Conrad, de Gregorio, 1890, p. 168 in part, pl. 17, figs. 3, 4 only. Probably not *B. galba* Conrad, 1833b, p. 34

Range.—Middle Eocene. Presumably Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R.
Types.—Figured specimens, formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost.

Acteon alveatus H. C. Lea
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Acteon annectens Meyer **Acteonidae**

Actaeon annectens Meyer, 1885a, pp. 466, 468; Meyer, 1886b, p. 77, pl. 2, fig. 30

Not *Actaeon annectens* Meyer, Cossmann, 1893, p. 48 in part, pl. 1, fig. 37=*A. pompilius* Conrad

Actaeonidea (Rictaxis) annectens (Meyer), Cossmann, 1895b, p. 52

Acteon annectens Meyer, Palmer, 1937, p. 498, pl. 74, fig. 30; Harris and Palmer, 1947, p. 454, pl. 63, figs. 26, 27; Brann and Kent, 1960, p. 23

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr. Oligocene
Localities.—MISS.: *Hinds Co.*, Jackson (type), Moodys Branch; *Wayne Co.*, Red Bluff (Oligocene). LA.: *Grant Par.*, Montgomery Ldg., Red R.
Type.—Holotype, No. 638714 USNM

Acteon claibornincola de Gregorio **Acteonidae**

Acteon claibornincola de Gregorio, 1890, p. 165, pl. 16, fig. 18; Cossmann, 1893, p. 48 *Actoeon;* Palmer, 1937, p. 501, pl. 74, figs. 32, 33 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Acteon costellatus Conrad **Acteonidae**

Acteon costellatus Conrad, 1833c, p. 45; (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 95; d'Orbigny, 1850, p. 343; Harris, 1895b, p. 13; Palmer, 1937, p. 501. Not *A. costellata* Grateloup, 1838, p. 280

Actaeon (Nucleopsis) costellatus Conrad, Conrad, 1865a, p. 34

Actaeon costellatus Conrad, Conrad, 1866a, p. 9

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Missing Moore, 1962, p. 50

Acteon elegans (I. Lea)
See *Acteon pomilius* Conrad

Acteon elevatus I. Lea
See *Pyramidella larvata* Conrad

Acteon idoneus Conrad **Acteonidae**

Acteon idoneus Conrad, 1833c, p. 45, (Harris reprint, 1893, p. 71); H. C. Lea, 1849, p. 95; d'Orbigny, 1850, p. 343; Harris, 1895b, p. 22; Palmer, 1937, p. 500, pl. 74, figs. 19-22; pl. 90, fig. 1 type, fig. 5 *A. lineatus* I. Lea; fig. 13 *Tornatella bicincta* Heilprin; Harris and Palmer, 1947, p. 453, pl. 63, figs. 14, 15; Brann and Kent, 1960, pp. 23, 24

Acteon lineatus I. Lea, 1833, p. 112, pl. 4, fig. 97; H. C. Lea, 1849, p. 99; de Gregorio, 1890, p. 165, pl. 16, fig. 24 copy Lea, fig. 25; Harris, 1895b, p. 25 (=*A. idoneus* Conrad)

Actaeon idoneus Conrad, Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1865a, p. 34; Conrad, 1866a, p. 9; Harris, 1899a, p. 5, pl. 1, fig. 4; Glibert, 1962c, p. 27

Actaeon lineatus I. Lea, Conrad, App. *in* Morton, 1834, p. 4 (=*A. idoneus);* Meyer, 1885a, p. 468; Meyer, 1887a, p. 18; Cossmann, 1893, p. 48 as *Actoeon;* Cossmann, 1895b, p. 46

Tornatella bicincta Heilprin, 1879a, p. 212, pl. 13, fig. 6

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype (+5) No. 30547 ANSP Moore, 1962, p. 65 Holotype *A. lineatus* Lea, No. 5541 ANSP. Holotype *Tornatella bicincta* Heilprin, No. 10043/1 AMNH (No. 5524/1 AMNH Whitfield and Hovey, 1901)

Acteon laevis H. C. Lea
See *Odostomia laevis* (H. C. Lea)

Acteon latus Conrad
See *Tornatellaea bella* (Conrad)

Acteon lineatus I. Lea
See *Acteon idoneus* I. Lea

Acteon melanellus I. Lea
See *Odostomia (Evalea) melanella* (I. Lea)

Acteon pomilius Conrad **Acteonidae**

Acteon pomilius Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); H. C. Lea, 1849, p. 95; d'Orbigny, 1850, p. 343; Tuomey, 1858, p. 264, not p. 269 (Nanafalia Bluff); Harris, 1895b, p. 36; Palmer, 1937, p. 496, pl. 74, figs. 27, 28, 34; pl. 90, fig. 9 type, fig. 14 *Monoptygma elegans* I. Lea; Brann and Kent, 1960, p. 24

Actaeon pomilius Conrad, Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1865a, p. 34; Conrad, 1866a, p. 9

Monoptygma elegans I. Lea, 1833, p. 203, pl. 6, fig. 217; H. C. Lea, 1849, p. 102; Harris, 1895b, p. 18 = young *Actaeon pomilius* Conrad

Tornatella (Actaeon) pomilia (Conrad) Heilprin, 1879b, p. 222

Acteon ? elegans (I. Lea), de Gregorio, 1890, p. 166, pl. 16, fig. 23 copy Lea

Actoeon elegans (I. Lea), Cossmann, 1893, p. 48

Actoeon annectens Meyer, Cossmann, 1893, p. 48 in part, pl. 1, fig. 37. Not *A. annectens* Meyer, 1885a, p. 466 Jackson Eocene

Rictaxis pomilius (Conrad), Glibert, 1962c, p. 34

Range.—Middle Eocene. Cf. McBean fm. and Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, Orangeburg district; about 3 mi. WNW. Orangeburg. Cf. MISS.: *Clarke Co.*, Wautubbee
Types.—Lectotype ? + 4 specimens, No. 30546 ANSP Moore, 1962, p. 88. Holotype *Monoptygma elegans* I. Lea, No. 6011 ANSP

Acteon pomilius multannulatus Aldrich **Acteonidae**

Acteon pomilius multannulatus Aldrich, 1908b, p. 76, pl. 5, fig. 11

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, 6 mi. E. of Thomasville
Type.—Holotype, No. 639058 USNM

Acteon pomilius punctatus I. Lea **Acteonidae**

Acteon punctatus I. Lea, 1833, p. 111, pl. 4, fig. 96; H. C. Lea, 1849, p. 95; de Gregorio, 1890, p. 165, pl. 16, fig. 21 copy Meyer, fig. 22 copy Lea; Harris, 1895b, p. 37. Not *Tornatella punctata* A. E. Ferussac, 1823, p. 112 (= *T. sulcata* Gmelin); not d'Orbigny, 1842c, *in* Sagra, p. 230
Actaeon punctatus I. Lea, Conrad, 1865a, p. 34; Conrad, 1866a, p. 9; Meyer, 1885a, p. 468; Dall, 1892, p. 14 in part; Cossmann, 1893, p. 48 as *Actoeon;* Cossmann, 1895b, p. 46
Actaeon inflatior Meyer, 1886b, p. 78, pl. 2, fig. 31; Cossmann, 1893, p. 48
Actaeonidea (Rictaxis) punctatus (I. Lea), Cossmann, 1895b, p. 52
Acteon pomilius punctatus I. Lea, Palmer, 1937, p. 499, pl. 74, figs. 25, 29, 31, 35, 36; pl. 90, fig. 2 type; Brann and Kent, 1960, p. 24

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm. and McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. LA.: *Sabine Par.*, Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. S.C.: *Orangeburg Co.*, Orangeburg district
Types.—Holotype, No. 5537 ANSP. Holotype, *Actaeon inflatior* Meyer, No. 638840 USNM

Acteon punctatus I. Lea
See *Acteon pomilius punctatus* I. Lea

Acteon pygmaeus I. Lea
See *Pyramidella larvata* Conrad

Acteon pygmaeus museum label No. 5559 ANSP
See *Pyramidella pseudopygmaea* Palmer

Acteon striatus I. Lea
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Acteon subvaricatus (Conrad)
See *Nucleopsis subvaricata* (Conrad)

Acteon Wetherilli I. Lea [*wetherelli*]
See *Acteocina wetherilli* (I. Lea)

Acteon sp. **Acteonidae**
Actaeon sp. Harris, 1894b, p. 45, pl. 3, fig. 1

Range.—Paleocene
Locality.—ARK.: *Pulaski Co.*, Dr. Johnson's well on top of Capitol Hill, corner of Battery and 9th Sts., Little Rock
Type.—Figured specimen probably USNM

Acteonema prisca Conrad
See *Actaeonema priscum* Conrad

Acteonina (Crenilabium) cossmanni Aldrich
See *Crenilabium cossmanni* Aldrich

Acteonina subvaricata Conrad
See *Nucleopsis subvaricata* (Conrad)

Acus polygyra Conrad
See *Terebra (Mirula) polygyra* Conrad
See *Terebra (Mirula) mirula* de Gregorio

Adeorbis dalli Harris
See *Cyclostremiscus dalli* (Harris)

Adeorbis exacuus (Conrad)
See *Cyclostremiscus exacuus* (Conrad)

"Adeorbis" incertus de Gregorio **Vitrinellidae**
Adeorbis incertus de Gregorio, 1890, p. 139, pl. 13, fig. 4; Cossmann, 1893, p. 25 not *Adeorbis*
Ethalia incertus (de Gregorio), Dall, 1892, p. 347
"*Adeorbis*" *incertus* de Gregorio, Palmer, 1937, p. 180, pl. 21, fig. 10 copy de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Adeorbis infraplicatus Johnson
See *Tornus infraplicatus* (Johnson)

Adeorbis laevis Meyer, Oligocene
See under *Vitrinella* sp.

Adeorbis laevis Meyer, Cossmann, 1893. Not Meyer, 1886 Oligocene
See *Skenea pignus* (de Gregorio)

Adeorbis liniferus (Aldrich)
See *Solariorbis liniferus* Aldrich

Adeorbis ? *nautiloides* Aldrich
See *Tubiola nautiloides* (Aldrich)

Adeorbis novicastri Van Winkle
See *Lydiphnis novicastri* (Van Winkle)

Adeorbis (Asiolins) [*sic*] *pignus* de Gregorio
See *Skenea pignus* (de Gregorio)

"Adeorbis" punctiformis de Gregorio **Vitrinellidae**

Adeorbis punctiformis de Gregorio, 1890, p. 139, pl. 12, figs. 65-67; Dall, 1892, p. 347 *Caecum* ?; Cossmann, 1893, p. 25 not *Adeorbis*

"Adeorbis" punctiformis de Gregorio, Palmer, 1937, p. 180, pl. 2, figs. 1-3 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Adeorbis quadrangularis Meyer
See *Solariorbis quadrangularis* (Meyer)

Adeorbis sotoensis Aldrich
See *"Circulus" sotoensis* (Aldrich)

Adeorbis subangulatus Meyer
See *Solariorbis subangulatus* (Meyer)

Adeorbis sylvaerupis Harris
See *Cyclostremiscus sylvaerupis* (Harris)

Adeorbis sylvaerupis var. Harris, 1899a
See *Cyclostremiscus*, n. sp.

Adeorbis ? virginiensis Van Winkle
See *"Vitrinella" virginiensis* (Van Winkle)

Admete (Bonellitia) alvaniopsis (Harris) *in* Cossmann, 1899b
See *Cancellaria alvaniopsis* Harris *in* Cossmann *nomen nudum*

Admete (Babylonella) elevata (I. Lea)
See *Bonellitia (Babylonella) elevata* (I. Lea)

Admete (Bonellitia) Penrosei (Harris)
See *Trigonostoma penrosei* (Harris)

Admete tortiplica (Conrad)
See *Bonellitia tortiplica* (Conrad)

Aesopus erectus (Aldrich)
See *Mitrella (....................) erecta* Aldrich

Agaronia alabamensis (Conrad) **Olividae**

Oliva alabamensis Conrad, 1833b, p. 32 (Harris reprint, 1893, p. 54); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 41, pl. 16, fig. 3 (Harris reprint, 1893, p. 97, pl. 16, fig. 3); Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 103; d'Orbigny, 1850, p. 351; Tuomey, 1858, pp. 266, 274; Harris, 1895b, p. 3; Cooke, 1926a, pl. 95, fig. 5; Semmes, 1929, fig. 61-5

Oliva Greenoughi I. Lea, 1833, p. 183, pl. 6, fig. 197; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 3 under *O. alabamensis*

Oliva dubia I. Lea, 1833, p. 183, pl. 6, fig. 198; H. C. Lea, 1849, p. 103, Harris, 1895b, p. 3 under *O. alabamensis*, p. 17. Not *Ancillaria dubia* Deshayes, 1835a, p. 734

Oliva Phillipsii I. Lea, 1833, p. 184, pl. 6, fig. 199 immature; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 103 d'Orbigny, 1850, p. 351; de Gregorio, 1890, p. 53, pl. 3, fig. 66 copy Lea; Harris, 1895b, p. 3 under *O. alabamensis*, p. 34

Oliva gracilis I. Lea, 1833, p. 182 in part, pl. 6, fig. 196; H. C. Lea, 1849, p. 103; de Gregorio, 1890, p. 52, pl. 3, fig. 50, fig. 51 copy Lea; Heilprin, 1891a, p. 397; Harris, 1895b, p. 3 under *O. alabamensis*, p. 21. Not Broderip and Sowerby, 1829, p. 379

Oliva alabamiensis [*sic*] Conrad, Duclos, 1835, pl. 18, figs. 13, 14; Duclos, [1844], p. 11, pl. 20, figs. 13, 14

Lamprodoma alabamensis (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Lamprodoma gracilis (I. Lea), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Lamprodoma Phillipsii (I. Lea), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Oliva nitidula Deshayes, de Gregorio, 1890, p. 51, pl. 3, figs. 36-41, fig. 42 var. *disposita* de Gregorio, fig. 45 copy *O. greenoughi* Lea, fig. 46 copy *O. alabamensis* Conrad. Not *O. nitidula* Deshayes, 1835a, p. 741 = species renamed *O. parisiensis* Cossmann, 1899c, p. 178 [not *parnensis* as in Palmer, 1937, p. 431]

Oliva mitreola Lamarck, de Gregorio, 1890, p. 51, pl. 3, fig. 47, fig. 48 copy *O. dubia* Lea. Not Lamarck, 1802, p. 391

Oliva antelucana de Gregorio, 1890, p. 54, pl. 3, figs. 58-61 young

Ancilla pinaculica de Gregorio, 1890, p. 54, pl. 3, figs. 63-65 young

Olivella alabamiensis [*sic*] (Conrad), Cossmann, 1893, p. 40

Olivella Phillipsi (I. Lea), Cossmann, 1893, p. 40

Olivancillaria (Agaronia) alabamiensis [*sic*] (Conrad), Cossmann, 1899b, p. 51; Davies, 1935, p. 306; Glibert, 1960a, p. 19 as *alabamensis*

Agaronia alabamensis (Conrad), Palmer, 1937, p. 431, pl. 68, figs. 14-16; 18-22; pl. 89, fig. 5 type, *O. gracilis* Lea; Harris and Palmer, 1947, pp. 408, 409; Brann and Kent, 1960, pp. 29, 30

Olivella (Agaronia) alabamensis (Conrad), Shimer and Shrock, 1944, p. 511, pl. 210, fig. 13 copy Conrad

Range.—Middle Eocene. Cf. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. base of Claiborne Bluff, Alabama R.; cf. Lisbon Bluff, Alabama R. Cf. S.C.: *Orangeburg Co.*, Orangeburg district; about 6 mi. WNW. Orangeburg. For localities in Miss., La., and Texas see Palmer, 1937.

Types.—Lectotype + 8 specimens, No. 14649 ANSP Moore, 1962, p. 35. Holotype *Oliva Greenoughi* I. Lea, No. 5916 ANSP. Holotype *Oliva dubia* I. Lea, No. 5920 ANSP. Holotype *Oliva Phillipsii* I. Lea, No. 5926 ANSP. Holotype *Oliva gracilis* I. Lea, No. 5914 ANSP. Holotypes *Oliva mitreola, Oliva pinaculica,* and *Oliva antelucana* de Gregorio, formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Agaronia bombylis (Conrad) **Olividae**

Oliva bombylis Conrad, 1833b, p. 32 (Harris reprint, 1893, p. 54); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 42, pl. 16, fig. 4 (Harris reprint, 1893, p. 98, pl. 16, fig. 4); Duclos, 1835, pl. 18 bis, figs. 7, 8; Duclos [1844] p. 21 in part, pl. 20, figs. 7, 8; Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 103; d'Orbigny, 1850, p. 351; not Aldrich, 1886, p. 53 = *Agaronia* sp.; Heilprin, 1879b, p. 223; de Gregorio, 1890, p. 52, pl. 3, fig. 49 copy Conrad, fig. 52 copy *O. constricta* I. Lea; cf. Heilprin, 1891a, p. 397; Harris, 1895b, p. 8

Oliva constricta I. Lea, 1833, p. 182, pl. 6, fig. 195; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 8 under *O. bombylis* p. 17
Oliva gracilis I. Lea, 1833, p. 182 in part; not Aldrich, 1886, p. 56 (= *Agaronia* sp.). Not *O. gracilis* Broderip and Sowerby, 1829, p. 379
Lamprodoma bombylis (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17
Olivella bombylis (Conrad), Cossmann, 1893, p. 40; Cossmann, 1899b, p. 54
Agaronia bombylis (Conrad), Palmer, 1937, p. 434, pl. 68, figs. 12, 13; Brann and Kent, 1960, p. 30
Olivancillaria (Agaronia) bombylis (Conrad), Glibert, 1960a, p. 19

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; cf. Stone City fm. middle Claiborne gr.; cf. Cook Mt. fm. upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R. Cf. TEXAS: *Bastrop Co.*, Smithville, Colorado R.; "Caldwell Co." = *Burleson Co.*, Stone City Bluff, Brazos R. (Heilprin). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. Orangeburg
Types.—Lectotype, ANSP, No. 14627 Moore, 1962, p. 43. Holotype *O. constricta* I. Lea, No. 5911 ANSP

Agaronia inglisia Palmer **Olividae**
Agaronia inglisia Palmer *in* Richards and Palmer, 1953, p. 31, pl. 6, figs. 5, 8, 13

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, a road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock just SW. of state road 55, in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7604; paratypes, Nos. I-7605, I-7606, Fla. Geol. Sur.

Agaronia media (Meyer) **Olividae**
Oliva media Meyer, 1885a, pp. 465, 468
Olivella [?] *jacksonensis* Cooke, 1926b, p. 134, fig. 5
Agaronia media (Meyer), Harris and Palmer, 1947, p. 407, pl. 63, fig. 7 lectotype, fig. 9; fig. 10 type *O. jacksonensis* Cooke; figs. 11-13 paralectotypes *O. media;* Brann and Kent, 1960, p. 30

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type); *Clarke Co.*, Garland Cr., near Shubuta. ARK.: *Cleveland Co.*, Vince Ferry, Saline R. LA.: *Caldwell Par.*, ¾ mi. below Gibson Ldg., Ouachita R. TEXAS: *Sabine Co.*, 1 mi. below Robinsons Ferry, Sabine R.
Type.—Holotype, No. 78 GSATC

Agaronia mediavia (Harris) **Olividae**
Olivella mediavia Harris, 1896, p. 80, pl. 7, fig. 19; not Harris, 1897a, p. 29, pl. 3, fig. 12; Gardner, 1935, p. 230; Brann and Kent, 1960, p. 619 in part
Ancilla (Sparella) mediavia (Harris), Cossmann, 1899b, p. 62

Range.—Paleocene. Naheola fm. (type), upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill (type); Matthews Ldg., 9 mi. W. of Camden, Alabama R.; ½ mi. W. of Graveyard Hill; *Sumter Co.*, Black Bluff, Tombigbee R.; 4 mi. below Black Bluff, Tombigbee R. Texas localities see Gardner, 1935, p. 231

Type.—Holotype lost

Agaronia mississippiensis (Conrad) **Olividae**

Oliva mississippiensis Conrad, 1848a, p. 289; Conrad, 1848b, p. 119, pl. 13, figs. 6, 38
Lamprodoma Mississippiensis (Conrad), Conrad, 1865a, p. 22
Cf. *Agaronia mississippiensis* (Conrad), Harris and Palmer, 1947, p. 410, pl. 63, figs. 17-19; Brann and Kent, 1960, p. 30

Range.—Upper Eocene. Cf. Moodys Branch fm., lower Jackson gr. Oligocene. Vicksburg gr. (type)

Localities.—MISS.: *Warren Co.*, Vicksburg (type). Cf. LA.: *Grant Par.*, Montgomery Ldg., upper bed, Red R.

Type.—Lectotype, (MacNeil ms.), No. 13450 ANSP

Agaronia punctulifera Gabb
See *Ancilla staminea punctulifera* (Gabb)

Agaronia sp. **Olividae**

Agaronia sp. Harris and Palmer, 1947, p. 410, pl. 63, figs. 5, 6; Brann and Kent, 1960, p. 30

Range.—Upper Eocene. Lower Jackson gr. (type)

Locality.—MISS.: *Clarke Co.*, Garland Cr., near Shubuta

Type.—Figured specimen. No. 20008 PRI

Agaronia sp. **Olividae**

Oliva bombylis Conrad var., Aldrich, 1886, p. 53
Oliva gracilis I. Lea, Aldrich, 1886, p. 56. Not I. Lea, 1833, p. 182
Olivella mediavia Harris, Harris, 1899a, p. 29, pl. 3, fig. 12; Brann and Kent, 1960, p. 619 in part. Not Harris, 1896, p. 80

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *Choctaw Co.*, Butler; *Monroe Co.*, Greggs Ldg., Alabama R.

Type.—Figured specimen, lost.

Agathirses texana Palmer
See *Tenagodus (Agathirses) texanus* Palmer

Akera texana Aldrich **Scaphandridae**

Akera texana Aldrich, 1911, p. 5, pl. 2, fig. 1; Palmer, 1937, p. 488, pl. 75, fig. 18 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R., (type)

Type.—Holotype, No. 639118 USNM

"Alaba" plicatovaricosa (Heilprin) **Litiopidae**

Rissoina plicato-varicosa Heilprin, 1879a, p. 214, pl. 13, fig. 12
Alaba plicatovaricosa (Heilprin), Dall, 1892, pp. 292, 341
"Alaba" plicato-varicosa (Heilprin), Palmer, 1937, p. 152, pl. 17, fig. 1 copy Heilprin

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 10069/1 AMNH, No. 5565/1 Whitfield and Hovey, 1901

Alaba varicifer (Cossmann) **Litiopidae**

Pseudotaphrus varicifer Cossmann, 1893, p. 27, pl. 1, fig. 33
Alaba (Gibborissoa) varicifer (Cossmann), Cossmann, 1921b, p. 55
Alba varicifer (Cossmann), Palmer, 1937, p. 152, pl. 17, fig. 7 copy Cossmann

Range.—Middle Eocene. Gosport sd., (type) uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes (4), No. 11589, Lab. Géol. Sorbonne, Paris

Alabina Koeneni (Meyer)
See *Bittium koeneni* Meyer

Aldrichia aldrichi (Cossmann)
See *Coralliophila (Timothia) aldrichi* (Cossmann)

Alectrion exilis (Conrad)
See *Nassarius exilis* (Conrad)

Alectrion jacksonensis Cooke
See *Buccitriton jacksonense* (Cooke)

Algrus claibornensis (Whitfield)
See *Ranellina maclurii* (Conrad)

Aliculastrum sp.
See *Atys (Aliculastrum)* sp.

Alvania ziga de Gregorio
See *Turboella ziga* (de Gregorio)

Amalthea americana (Conrad)
See *Capulus americanus* Conrad

Amalthea complecta (Aldrich)
See *Capulus expansus* (Whitfield)

Amalthea pygmaea (I. Lea)
See *Hipponix pygmaeus* I. Lea

Amaura (Amauropsis ?) tombigbeensis Harris
See *Crommium tombigbeense* (Harris)

Amaura tornatelloides Meyer
See *Pasitheola tornatelloides* (Meyer)

Amaurellina (Euspirocrommium) perovata (Conrad)
See *Crommium perovatum* (Conrad)

Amaurellina singleyi (Harris) **Ampullospiridae**

Amauropsis singleyi Harris, 1895a, p. 84, pl. 9, fig. 12

Amaurellina singleyi (Harris), Palmer, 1937, p. 135, pl. 14, fig. 4 copy holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—TEXAS: *Lee Co.*, Cedar Cr. (type)

Type.—Holotype, missing Bur. Ec. Geol., 1964

Amaurellina sp. **Ampullospiridae**

Amaurellinia sp. Richards, 1950, p. 15, fig. 63c

Range.—Lower to middle Eocene.

Locality.—N.C.: *Wake Co.*, Crabtree State Park, 11 mi. W. of Raleigh

Type.—Figured specimen, ANSP

Amauropsis jacksonensis Harris
See *Crommium jacksonense* (Harris)

Amauropsis ocalana Dall
See *Crommium ocalanum* (Dall)

Amauropsis perovata (Conrad)
See *Crommium perovatum* (Conrad)

Amauropsis singleyi Harris
See *Amaurellina singleyi* (Harris)

Amauropsis ? tombigbeensis Harris
See *Crommium tombigbeense* (Harris)

Amblyacrum tabulatum (Conrad)
See *Surculoma tabulata* (Conrad)

Amoria vesta Whitfield
See *Caricella vesta* (Whitfield)

Ampullaria perovata Conrad
See *Crommium perovatum* (Conrad)

Ampullella dumblei (Heilprin) **Ampullospiridae**

Natica Dumblei Heilprin, 1891a, p. 404, pl. 11, fig. 3; Deussen, 1924, pl. 22, fig. 9; Trowbridge, 1932, pl. 42, fig. 9 copy Deussen

Ampullina recurva dumblei (Heilprin), Palmer, 1937, p. 134, pl. 14, figs. 10, 11; Brann and Kent, 1960, p. 39

Ampullella dumblei (Heilprin), Harris and Palmer, 1947, p. 257

Ampullina dumblei (Heilprin), Perrilliat Montoya, 1963, p. 15, pl. 14, figs. 5, 6 Mexican

Range.—Lower Eocene

Locality.—TEXAS: Station 2, Rio Grande (type, Heilprin)=*Webb Co.*, about 5 mi. NE. of Laredo (locality questionable pers. com. Stenzel, 1958)

Type.—Holotype not Texas 1964. Not located *fide* Palmer, 1937, p. 134

Ampullella recurva (Aldrich) **Ampullospiridae**

Natica recurva Aldrich, 1886, p. 33, pl. 5, fig. 10; de Gregorio, 1890, p. 151, pl. 14, fig. 48 copy Aldrich
Ampullina crassatina Lamarck var. *mississippiensis* Conrad, Dall, 1892, p. 375 in part. Not *Natica crassatina* Lamarck 1804c, p. 33
Euspira recurva (Aldrich), Cossmann, 1893, p. 26
Ampullina recurva (Aldrich), Palmer, 1937, p. 133, pl. 14, figs. 7, 8; Brann and Kent, 1960, p. 38
Ampullella recurva (Aldrich), Harris and Palmer, 1947, p. 257

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type); Claiborne Bluff, Alabama R. Cf. TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 21, (Veatch, 1902, p. 129)
Type.—Holotype, No. 638783 USNM

Ampullella recurva (Aldrich) "var." **Ampullospiridae**

Natica mississippiensis Heilprin, 1881, p. 365 list name only: Aldrich, 1886, p. 56
Ampullina crassatina var. *mississippiensis* Conrad, Dall, 1892, p. 375 in part. Not *Natica crassatina* Lamarck, 1804c, p. 33
Ampullina recurva (Aldrich) "var.", Harris, 1899a, p. 92, pl. 12, fig. 1

Range.—Lower Eocene. Middle and upper Wilcox [Sabine] gr.
Localities.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.; *Wilcox Co.*, Yellow Bluff, Alabama R.; *Clarke Co.*, Woods Bluff, Tombigbee R.; *Monroe Co.*, Greggs Ldg., Alabama R.
Type.—Figured specimen ANSP

Ampullina alabamiensis (Whitfield)
See *Lacunaria alabamiensis* (Whitfield)

Ampullina alabamiensis (Whitfield), Le Blanc, 1942+ in part. Not Whitfield, 1865
See *Lacunaria* sp.

Ampullina crassatina mississippiensis Dall
See *Ampullella recurva* (Aldrich)
See also *Ampullella recurva* (Aldrich) "var."

Ampullina dumblei (Heilprin)
See *Ampullella dumblei* (Heilprin)

Ampullina erecta (Whitfield)
See *Lacunaria erecta* (Whitfield)

Ampullina (Ampullinopsis) mississippiensis (Conrad), Shimer and Shrock, 1944, p. 481, pl. 187, fig. 31 copy *Natica mississippiensis* Conrad, 1848b, pl. 11, fig. 10 Oligocene, not Eocene as in Shimer and Shrock

Ampullina morgani Johnson
See *Globularia morgani* (Johnson)

Ampullina newtonensis (Meyer and Aldrich)
See *Euspira newtonensis* (Meyer and Aldrich)

Ampullina recurva (Aldrich)
See *Ampullella recurva* (Aldrich)

Ampullina recurva (Aldrich) "var."
See *Ampullella recurva* (Aldrich) "var."

Ampullina recurva dumblei (Heilprin)
See *Ampullella dumblei* (Heilprin)

Ampullina reversa (Whitfield)
See *Natica (Naticarius) reversa* Whitfield

Ampullina sp. **Ampullospiridae**

Natica (Megatylotus) crassatina Lamarck, de Gregorio, 1890, p. 148, pl. 14, figs. 25-28. Not Lamarck, 1804c, p. 33

Range.—Middle Eocene. Claiborne gr.
Locality.—ALA.: *Monroe Co.*, supposedly Claiborne Bluff, Alabama R. [like *A. recurva* (Aldrich), Cook Mt. fm.]
Types.—Figured specimens formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Ampullinopsis citrinensis Palmer **Ampullospiridae**

Ampullinopsis citrinensis Palmer *in* Richards and Palmer, 1953, p. 26, pl. 3, figs. 10, 11

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Localities.—FLA.: *Citrus Co.*, Dunnellon Phosphate Mining Co., SW. ¼ SE. ¼ sec. 10, T. 18 S., R. 19 E. (type); *Levy Co.*, exposure along Withlacoochee R., at dam Florida Power Co., SW. ¼ SW. ¼ sec. 8, T. 17 S., R. 17 E.
Types.—Holotype, No. I-7434; paratype, No. I-7435 Fla. Geol. Sur.

Anachis (Astyris) crassus Chavan *in* Palmer
See *Astyris crassa* Chaven *in* Palmer

Anachis prima (Meyer)
See *Dentiterebra prima* (Meyer)

Anaulax staminea (Conrad)
See *Ancilla staminea* (Conrad)

Anbullina ancillops (Heilprin)
See *Bullia (Anbullina) ancillops* (Heilprin)

Anchura [sp.], White, 1884
See *Calyptraphorus velatus compressus* (Aldrich)

Ancilla (Monoptygma) alabamensis (I. Lea)
See *Monoptygma lymneoides* (Conrad)

Ancilla altilis (Conrad)
See *Bullia altilis* (Conrad)

Ancilla (Monoptygma) curta Conrad
See *Monoptygma curtum* Conrad

Ancilla expansa (Aldrich)
See *Lisbonia expansa* (Aldrich)

Ancilla (Monoptygma) lymneoides (Conrad)
See *Monoptygma lymneoides* (Conrad)

Ancilla (Sparella) mediavia (Harris)
See *Agaronia mediavia* (Harris)

Ancilla pinaculica de Gregorio
See *Agaronia alabamensis* (Conrad)

Ancilla (Olivula) plicata (I. Lea)
See *Bullia scamba* (Conrad)

Ancilla scamba (Conrad)
See *Bullia scamba* (Conrad)

Ancilla staminea (Conrad) **Olividae**

Ancillaria staminea Conrad, 1832b, p. 25, pl. 10, fig. 5 (Harris reprint, 1893, p. 43, pl. 10, fig. 5) proposed *Olivula* but did not designate type; Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1846b, p. 220, H. C. Lea, 1849, p. 96; Tuomey, 1858, pp. 264, 273; not Aldrich, 1886, p. 51 = *A. staminea maternae* Palmer; Harris, 1895b, p. 42

Oliva staminea (Conrad), Duclos, 1835, pl. 18 *bis*, figs. 9, 10; Duclos, [1844], p. 11, pl. 20, figs. 9, 10

Ancyllaria staminea (Conrad), d'Orbigny, 1850, p. 352

Anaulax staminea (Conrad), Conrad, 1858b, p. 166

Olivula staminea (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17; Tryon, 1883a, p. 61, pl. 3, figs. 24, 25; Tryon, 1833b, p. 177, pl. 56, fig. 72; Cossmann, 1893, p. 41; Shimer and Shrock, 1944, p. 511, pl. 210, fig. 16 copy Conrad

*Ancilla (Olivula) staminea (*Conrad), de Gregorio, 1890, p. 57, pl. 4, figs. 5-8; 17, 18 copies Conrad; Harris, 1899a, p. 30 in part not pl. 3, fig. 13 (=*A. staminea maternae* Palmer); Cossmann, 1899b, p. 70, pl. 3, figs. 10, 11; Wenz, 1943, p. 1277 fig. 3635 copy Cossmann; Glibert, 1960a, p. 19. Not Brann and Kent, 1960, p. 44 = *A. staminea maternae*

Ancilla staminea (Conrad), Palmer, 1937, p. 428, pl. 68, figs. 7, 9, 11; Brann and Kent, 1960, p. 44

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 13 specimens, No. 14670 ANSP, Moore 1962, p. 97

Ancilla staminea maternae Palmer **Olividae**

Ancillaria staminea Conrad, Aldrich, 1886, p. 51. Not Conrad, 1832b, p. 25

Ancilla (Olivula) staminea (Conrad), Harris, 1899a, p. 30, pl. 3, fig. 13 as *Ancillaria* on pl.; Brann and Kent, 1960, p. 44. Not Conrad, 1832b, p. 25

Ancilla staminea maternae Palmer, 1937, p. 430, pl. 68, figs. 3, 8; Brann and Kent, 1960, p. 44

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 3282 PRI

Ancilla staminea punctulifera (Gabb) **Olividae**

Agaronia punctulifera Gabb, 1860d, p. 381, pl. 67, fig. 22; de Gregorio, 1890, p. 54

Olivula punctulifera (Gabb), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17; Heilprin, 1891a, p. 398

Ancilla staminea punctulifera (Gabb), Palmer, 1937, p. 429, pl. 68, figs. 10, 17; Brann and Kent, 1960, p. 44

Ancilla (Olivula) staminea punctulifera (Gabb), Glibert, 1960a, p. 19 [Claiborne]

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Robertson Co.*, Wheelock (type). See Stenzel, Krause, and Twining, 1957, p. 11. For further localities in TEXAS, ALA., LA., MISS., S.C., see Palmer, 1937

Type.—Holotype ANSP

Ancilla subglobosa (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Ancilla tenera (Conrad)
See *Bullia tenera* (Conrad)

Ancilla (Tortoliva) texana Conrad
See "*Tortoliva*" *texana* Conrad

Ancillaria altile Conrad
See *Bullia altilis* (Conrad)

Ancillaria ancillops Heilprin
See *Bullia (Anbullina) ancillops* (Heilprin)

Ancillaria expansa Aldrich
See *Lisbonia expansa* (Aldrich)

Ancillaria lymneoides Conrad
See *Monoptygma lymneoides* (Conrad)

Ancillaria praetenuis labelled specimen ANSP
See *Bullia tenera* (Conrad)

Ancillaria scamba Conrad
See *Bullia scamba* (Conrad)

Ancillaria staminea Conrad
See *Ancilla staminea* (Conrad)

Ancillaria (Olivula) staminea Conrad, Aldrich, 1886; Harris, 1899a. Not Conrad, 1832b
See *Ancilla staminea maternae* Palmer

Ancillaria subglobosa Conrad
See *Bullia altilis subglobosa* (Conrad)

Ancillaria tenera Conrad
See *Bullia tenera* (Conrad)

Ancillina plicata (Conrad)
See *Bullia scamba* (Conrad)

Ancillina scamba (Conrad)
See *Bullia scamba* (Conrad)

Ancillopsis altile (Conrad)
See *Bullia altilis* (Conrad)

Ancillopsis scamba (Conrad)
See *Bullia scamba* (Conrad)

Ancillopsis subglobosa (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Ancillopsis tenera (Conrad)
See *Bullia tenera* (Conrad)

Ancillopsis Tuomeyi Aldrich
See *Bullia tuomeyi* (Aldrich)

Cf. **Ancistrosyrinx bastropensis** (Harris) **Turridae**

Cochlespira bastropensis Harris, 1937, p. 47, pl. 9, figs. 7-10; Brann and Kent, 1960, pp. 235, 236
Ancistrosyrinx (Tahusyrinx) bastropensis (Harris), Glibert, 1960b, p. 25

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)
Types.—Holotype, No. 2511b; paratypes, No. 2511a, No. 2511c, No. 2511d PRI

Cf. **Ancistrosyrinx bella** (Conrad) **Turridae**

Cochlespira bella Conrad, 1865d, p. 210, pl. 21, fig. 6; Meyer, 1884, p. 107 under *Pleurotoma Volgeri* Philippi; Casey, 1904, p. 144; Harris, 1937, p. 46, pl. 9, fig. 4; not fig. 5 (=*C. greggi*); Gardner, 1945, p. 241, pl. 15, ? fig. 15; Brann and Kent, 1960, p. 236 in part, not No. 2509 [=*A. greggi* (Harris)]
Perrona bella (Conrad), de Gregorio, 1890, p. 37
Clavatula (Perrona) bella (Conrad), Cossmann, 1896b, p. 69

Range.—Middle Eocene. Weches fm. (? type), middle Claiborne gr.
Localities.—TEXAS: (type Conrad); *Bastrop Co.*, Smithville, Colorado R. (? type)
Type.—Missing, ANSP Moore, 1962, p. 41

Cf. **Ancistrosyrinx bella hoplites** (Harris) **Turridae**

Cochlespira bella hoplites Harris, 1937, p. 46, pl. 9, fig. 6; Brann and Kent, 1960, p. 236

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)
Type.—Holotype, No. 2510 PRI

Cf. **Ancistrosyrinx bella planata** (Harris) **Turridae**

Cochlespira bella planata Harris, 1937, p. 47, pl. 9, fig. 11; Brann and Kent, 1960, p. 236

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr. (type)
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City (type) (Stenzel, 1939, p. 854)
Type.—Holotype, No. 2512 PRI

Cf. **Ancistrosyrinx bella polita** (Harris) **Turridae**

Cochlespira bella polita Harris, 1937, p. 46, pl. 9, fig. 12; Harris and Palmer, 1947, p. 435, pl. 60, fig. 9 holotype; Brann and Kent, 1960, p. 236 [p. 435 *in* Harris and Palmer, 1947 not p. 436]

Range.—Upper Eocene. Lower Jackson gr. (type)
Locality.—LA.: Ouachita R., exact locality unknown (type)
Type.—Holotype, No. 2513 PRI

Ancistrosyrinx columbaria Aldrich **Turridae**

Pleurotoma (Ancistrosyrinx) columbaria Aldrich, 1886, p. 31, pl. 6, fig. 9; Harris, 1897a, p. 471
Surcula (Ancistrosyrinx) columbaria Aldrich, Cossmann, 1896b, p. 72
Cochlespira columbaria (Aldrich), Casey, 1904, p. 144
Cochlespira (Ancistrosyrinx) columbaria Aldrich, Harris, 1937, p. 47, pl. 9, figs. 20, 21; fig. 22 holotype; Brann and Kent, 1960, p. 236
Ancistrosyrinx columbaria Aldrich, Harris and Palmer, 1947, p. 436, pl. 60, figs. 10-12

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Dry Creek, Jackson (type). LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.
Type.—Holotype, No. 638779 USNM

Ancistrosyrinx columbaria petropolis Harris **Turridae**

Cochlespira (Ancistrosyrinx) columbaria petropolis Harris, 1937, p. 48, pl. 9, figs. 18, 19; Brann and Kent, 1960, pp. 236, 237

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City (type)
Types.—Holotype, No. 2514; paratype, No. 2515 PRI

Cf. **Ancistrosyrinx greggi** (Harris) **Turridae**

Not *Cochlespira bella* Conrad, 1865e, p. 210 as *in* Harris, 1899a, p. 19, see *Ancistrosyrinx bella* (Conrad)
Not *Pleurotoma (Cochlespira) cristata* Conrad, Heilprin, 1881, p. 365 as *in* Harris, 1899a, p. 19, see *Pleurotoma* sp. Not Conrad, 1848b, p. 115 Oligocene
Not *Pleurotoma Volgeri* Philippi, Meyer, 1884, p. 107 as *in* Harris, 1899a, p. 19=*Ancistrosyrinx bella* (Conrad). Not Philippi, 1846, p. 69, pl. 10a, fig. 2
Cf. *Pleurotoma cristata* Conrad, Aldrich, 1886, p. 52 as *in* Harris, 1899a, p. 19, Not Conrad, 1848b, p. 115
Cf. *Pleurotoma terebralis* Lamarck, Aldrich, 1885c, p. 308; Aldrich, 1886, p. 55 as *in* Harris, 1899a, p. 19. Not Lamarck, 1804a, p. 266
Pleurotoma terebralis Lamarck var., Harris, 1899a, p. 19 in part, pl. 2, fig. 11; Brann and Kent, 1960, p. 718. Not Lamarck, 1804a, p. 266
Cochlespira cristata greggi Harris, 1937, p. 46, pl. 9, figs. 2, 3; Brann and Kent, 1960, p. 237. Not Conrad, 1865d, p. 210
Cf. *Cochlespira bella* Conrad, Harris, 1937, p. 46, pl. 9, fig. 5; Brann and Kent, 1960, p. 236. Not Conrad, 1865d, p. 210

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; cf. Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R., (type); cf. *Clarke Co.*, Woods Bluff, Tombigbee R.

Types.—Holotype, No. 2507a; paratype, No. 2507b PRI

Ancyllaria [*sic*]
See *Ancillaria*

Ancyllaria [*sic*] *altilis* (Conrad)
See *Bullia altilis* (Conrad)

Ancyllaria [*sic*] *staminea* Conrad
See *Ancilla staminea* (Conrad)

Ancyllaria [*sic*] *subglobosa* (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Aneurychilus (Alabina) Koeneni (Meyer)
See *Bittium koeneni* Meyer

Aneurystoma dictyella Cossmann *nomen nudum*
See *Trigonostoma pulcherrimum* (H. C. Lea)

Aneurystoma priamum (Harris)
See *Sveltia (Aneurystoma) priama* (Harris)

Anguinella ornata (I. Lea)
See *Serpulorbis squamulosus* (Conrad)

Anolax gigantea I. Lea
See *Bullia altilis* (Conrad)

Anolax plicata I. Lea
See *Bullia scamba* (Conrad)

Apiotoma gemmata (Conrad)
See *Eopleurotoma sayi* (I. Lea)

Apiotoma nupera (Conrad)
See *Eopleurotoma nupera* (Conrad)

Aporrhais aldrichi (Cossmann) **Aporrhaidae**

Aporrhais gracilis Aldrich, 1886, p. 32, pl. 5, fig. 14 as *Aphorais* [*sic*]; Harris, 1899a, p. 69, pl. 9, fig. 1

Chenopus gracilis "Meyer" [Aldrich]; de Gregorio, 1890, p. 116, pl. 10, figs. 11, 12 copies Aldrich; Cossmann, 1893, p. 31, not Meyer as in De Gregorio and Cossmann

Chenopus Aldrichi Cossmann, 1904b, p. 56 new name for *A. gracilis* Aldrich. Not *A. gracilis* von Koenen, 1885, p. 59

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)

Types.—Syntype, No. 638781 USNM (specimen on left), other syntype missing USNM, 1964

Aporrhais (Platyoptera) extenta (Conrad)
See *Platyoptera extenta* (Conrad)

Aporrhais gracilis Aldrich
See *Aporrhais aldrichi* (Cossmann)

Aporrhais liratus (Conrad)
See *Chenopus liratus* Conrad

Aporrhais potomacensis Clark and Martin **Aporrhaidae**

Aporrhais potomacensis Clark and Martin, 1901, p. 146, pl. 25, figs. 5, 6

Range.—Paleocene. Aquia fm. (type)

Localities.—MD.: *Prince Georges Co.*, 1 mi. NE. Piscataway (type). VA.: *King George Co.*, Paspotansa Creek; 2 mi. below Potomac Creek

Types.—Syntypes, USNM

Aporrhais sp. **Aporrhaidae**

Aporrhais sp. Harris, 1896, p. 105, pl. 10, fig. 9; Gardner, 1935, p. 266

Range.—Paleocene. Clayton fm., lower Midway gr.

Locality.—ALA.: *Wilcox Co.*, 1 mi. N. of Midway

Type.—Figured specimen unknown

Architectonica Abbotti Gabb, 1862a in part
See *Pleurotrema solariforme* Whitfield, 1892, p. 180

Architectonica (Solariaxis) acuta Conrad **Architectonicidae**

Architectonica acuta Conrad *in* Wailes, 1854, p. 289, pl. 17, figs 1a, 1b (reprint, 1939, p. 19, pl. 4, figs. 1a, 1b); Conrad, 1856a, p. 261 (reprint, 1939, p. 7); Conrad, 1866a, p. 25; Palmer, 1937, p. 167 in part synonymy and description only, not pl. 20, figs. 12, 14-17 (=*A. meekana splendida* Palmer). Not *Solarium acutum* Tenison-Woods, 1879, p. 236 = *Architectonica balcombensis* Finlay, 1926a, p. 501

Solarium acutum (Conrad), Dall, 1892, p. 324 in part; Cossmann, 1915b, p. 170 section *Solariaxis*

Architectonica (Solariaxis) acuta Conrad, Harris and Palmer, 1947, p. 275, pl. 33, figs. 9, 16 lectotype, figs. 10, 11, 14, 15, 17-19; pl. 65, figs. 1, 2 lectotype enlarged; Brann and Kent, 1960, pp. 83, 84

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr., and Moodys Branch, Jackson. LA.: *Grant Par.*, ½ mi. below ferry, at and in upper beds at Montgomery Ldg., Red R.; *Catahoula Par.*, Danville Ldg., Ouachita R.; *Caldwell Par.*; ¾ mi. below Gibson Ldg., Ouachita R.; ½ mi. below Gibson Ldg., Ouachita R.; Grandview Bluff, Ouachita R.; Bunker Hill bluff, Ouachita R.

Type.—Lectotype, No. 13212 ANSP Moore, 1962, p. 34

Architectonica acuta Conrad, Palmer, 1937 in part. Not Conrad *in* Wailes, 1854
See *Architectonica meekana splendida* Palmer, 1944

Architectonica acuta meekana Gabb, Brann and Kent, 1960. Not Gabb, 1860d
See *Architectonica (Granosolarium)* sp.

Architectonica acuta meekana Gabb, Gardner, 1945
See *Architectonica meekana* Gabb

Architectonica acuta meekiana [*sic*] Gabb, Palmer, 1937, p. 168 in part. Not *A. meekana* Gabb, 1860d
See *Architectonica (Granosolarium)* sp.

Architectonica alabamensis (Dall) **Architectonicidae**

Solarium alabamense Dall, 1892, p. 324, pl. 22, fig. 17; Harris, 1896, p. 114, pl. 12, fig. 4; Schuchert, *et al.*, 1905, p. 601 as *Solariaxis alabamense* (Dall); Brann and Kent, 1960, p. 803

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. Camden, sec. 12, T. 12 N., R. 6 E., Alabama R.; 1 mi. W. of Oak Hill
Type.—Holotype, No. 113509 USNM

Architectonica aldrichi (Dall) **Architectonicidae**

Solarium Aldrichi Dall, 1892, p. 325, pl. 22, figs. 13, 13a; Schuchert, *et al.*, 1905, p. 601 as *Solariaxis aldrichi* (Dall)
Architectonica Aldrichi (Dall), Palmer, 1937, p. 169, pl. 18, figs. 1, 2, 6; figs. 7, 9 copies Dall; Brann and Kent, 1960, p. 84

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Wautubbee (type); *Newton Co.*, Indian Mound, 3 mi. E. of Newton; Hickory. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. Cf. TEXAS: *Bastrop Co.*, Smithville, S. bank Colorado R., about 200 yds. W. of bridge
Types.—Holotype and 2 paratypes, No. 113511 USNM

Architectonica (Stellaxis) alveata (Conrad) **Architectonicidae**

Solarium alveatum Conrad, 1833b, p. 31 [not illus.] (Harris reprint, 1893, p. 53); Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 47, pl. 17, fig. 3; (Harris reprint, 1893, p. 103, pl. 17, fig. 3); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 348; Tuomey, 1858, pp. 267, 274; de Gregorio, 1890, p. 133, pl. 12, figs. 13-15; figs. 16, 17 copy *S. bilineatum* I. Lea; figs. 18, 19 copy Conrad; Heilprin, 1891a, p. 400 in part; Dall, 1892, p. 326; Cossmann, 1893, p. 27; Harris, 1894b, p. 170; Harris, 1895b, p. 5; Cossmann, 1915b, p. 168, pl. 7, figs. 9, 10, 18, not pl. 6 as in text, not fig. 8 as in ex. pl. = *A. elaborata*
Solarium bilineatum I. Lea, 1833, p. 119, pl. 4, fig. 106; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 7 (=*Solarium alveatum* Conrad)
Architectonica alveata (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13; Palmer, 1937, pp. 173, 174 in part, pl. 19, figs. 8, 9, 11-13; 16 only; Brann and Kent, 1960, pp. 84, 85 in part
Architectonica (Stellaxis) alveata (Conrad), Davies, 1935, p. 233; Shimer and Shrock, 1944, p. 489, pl. 200, figs. 13, 14 copies Conrad, 1835a; Harris and Palmer, 1947, p. 276 in part, not pl. 32, figs. 9-11; not Brann and Kent, 1960, p. 85; Glibert, 1962b, p. 124

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 3 specimens, No. 15372 ANSP, Moore, 1962, p. 37. Holotype, *S. bilineatum* I. Lea, No. 5590 ANSP

Architectonica (Stellaxis) alveata (Conrad), n. subsp. **Architectonicidae**

Architectonica alveata (Conrad), Palmer, 1937, p. 174 in part, section *Stellaxis,* Jackson only

Architectonica alveata (Conrad), Harris and Palmer, 1947, pp. 276, 277, pl. 32, figs. 9-11; Brann and Kent, 1960, p. 85 in part

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Clarke Co.,* about 8 mi. W. of Enterprise. LA.: *Grant Par.,* ½ mi. below ferry at and in lower bed, Montgomery Ldg., Red R.; *Caldwell Par.,* Bunker Hill Ldg., Ouachita R.; *Vernon Par.,* Bayou Toro "first bluff"; *Catahoula Par.,* Carter Ldg., Ouachita R.; Danville Ldg., Ouachita R.

Types.—Figured specimens, Nos. 4550, 4551 PRI

Architectonica (Stellaxis) alveata (Conrad), n. subsp. **Architectonicidae**

Solarium alveatum Conrad, Heilprin, 1891a, p. 400 in part

Architectonica alveata (Conrad), Palmer, 1937, pp. 173, 174 in part, section *Stellaxis,* pl. 19, figs. 10, 14, 15, 17, 18; Brann and Kent, 1960, pp. 84, 85 in part

Architectonica (Stellaxis) alveata (Conrad), Harris and Palmer, 1947, p. 277 in part

Range.—Middle Eocene. Upper Queen City fm., lower Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.,* Smithville, Colorado R.; E. bank of Gazley Cr., S. side Colorado R., Smithville. LA.: *Ouachita Par.,* Lapiniere Ldg., E. bank Ouachita R.; well at Monroe. MISS.: *Clarke Co.,* about 8 mi. W. of Enterprise. S.C.: *Orangeburg Co.,* about 3 mi. WNW of Orangeburg

Types.—Figured specimens, Nos. 2846, 2849, 2850 PRI

Architectonica amoena (Conrad) **Architectonicidae**

Solarium amoenum Conrad, 1833c, p. 44; (Harris reprint, 1893, p. 70); Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 49, pl. 17, fig. 8 (Harris reprint, 1893, p. 105, pl. 17, fig. 8); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 348; de Gregorio, 1890, p. 134, pl. 12, fig. 57 copy Conrad; Dall, 1892, p. 328; Harris, 1895b, p. 5

Architectonica amoena (Conrad), Conrad, 1865a, p. 29 as *amaena*; Conrad, 1866a, p. 13; Palmer, 1937, p. 161, pl. 17, figs. 15, 18-20, 22, 23; pl. 82, figs. 9, 16, 17 copies type. Brann and Kent, 1960, p. 85

Architectonica (Nipteraxis) amoena (Conrad), Glibert, 1962b, p. 123

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.,* Orangeburg district. Cf. TEXAS: *Brazos Co.,* Little Brazos R., 2½ mi. above Stone Cty. Cf. MISS.: *Newton Co.,* Hickory; 2 mi. NE. of Newton on route 15; *Clarke Co.,* Wautubbee

Types.—Lectotype + 1 specimen, No. 15388 ANSP Moore, 1962, p. 38

Architectonica annosa (Conrad) **Architectonicidae**

Onustus annosus Conrad, 1869b, p. 42, pl. 1, fig. 4; Palmer, 1937, p. 145

Solarium annosum (Conrad), Dall, 1892, p. 362

Architectonica annosa (Conrad), Whitfield, 1892, p. 228, pl. 34, figs. 23-27

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Localities.—N.J.: *Monmouth Co.*, Shark R. (type); Farmingdale
Type.—Missing, ANSP Moore, 1962, p. 38

Architectonica antrosa (Conrad) **Architectonicidae**

Solarium antrosum Conrad, 1833b, p. 31 [not illus.], (Harris reprint, 1893, p. 53); Conrad, App. *in* Morton, 1834, p. 3; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 348; Harris, 1895b, p. 6; Palmer, 1937, p. 175

Architectonica antrosa (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Missing, Moore, 1962, pp. 38, 39

"*Architectonica*" *bastropensis* (Harris), Palmer, 1937
See *Episynia bastropensis* (Harris)

Architectonica bellensis (Harris) **Architectonicidae**

Solarium scrobiculatum Conrad ?, Aldrich, 1886, p. 57

Solarium bellense Harris, 1899a, p. 82, pl. 11, fig. 7; Harris, 1899b, p. 309, pl. 55, fig. 11

Architectonica bellense (Harris), Le Blanc, 1942^{+}, p. 84

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr., Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream Sabinetown Ferry Ldg., Sabine R.; Pendletown

Type.—Holotype ANSP (*fide* Harris, 1899a)

Architectonica (Architectonica) bellistriata Conrad **Architectonicidae**

Architectonica bellistriata Conrad *in* Wailes, 1854, p. 289, pl. 17, figs. 2a, 2b (reprint, 1939, p. 19, pl. 4, figs. 2a, 2b); Conrad, 1856a, p. 261 (reprint, 1939, p. 7); Conrad, 1866a, p. 25; Palmer, 1937, p. 158, pl. 17, figs. 10, 11, 14; Brann and Kent, 1960, p. 85

Solarum bellistriatum (Conrad), Meyer, 1885a, p. 463 as *bellastriatum;* Meyer, 1887a, p. 18, pl. 1, figs. 18, 18a, 18b; Dall, 1892, p. 327; Cossmann, 1915b, p. 166

Architectonica (Architectonica) bellistriata Conrad, Harris and Palmer, 1947, p. 268, pl. 32, figs. 16-19

Range.—Cf. Middle Eocene. Stone City beds, middle Claiborne gr. Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type). ARK.: *Cleveland Co.*, Vince Ferry, Saline R. Cf. TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. LA.: *Grant Par.*, ½ mi. below ferry, Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill, Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R.

Type.—Lectotype, No. 13211 ANSP Moore, 1962, p. 42

Architectonica (Architectonica) bellistriata newtonensis (Dall) **Architectonicidae**

Solarium bellistriatum newtonense Dall, 1892, p. 327; Schuchert,*et al.*, 1905, p. 602

Solarium newtonense Dall, Cossmann, 1915b, p. 166

*Architectonica bellistriata newtonensis (*Dall), Palmer, 1937, p. 159, pl. 17, figs. 13, 16 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Newton Co.*, Newton (type)

Type.—Holotype, No. 113532 USNM

Architectonica bimixta (Aldrich) **Architectonicidae**

Solarium elaboratum Conrad var. *bimixta* Aldrich, 1895a, p. 1, pl. 1, figs. 1-3

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, near Rosebud (type)

Type.—Holotype, No. 638918 USNM

Architectonica caelatura Conrad **Architectonicidae**

Architectonica caelatura Conrad, 1865c, p. 144, pl. 11, figs. 13, 14; Harris, 1895b, p. 9; Palmer, 1937, p. 160, pl. 82, figs. 3, 5 "type"

Solarium elaboratum de Gregorio, 1890, p. 135 in part, pl. 12, fig. 29 copy *A. caelatura* Conrad

Solarium caelatura (Conrad), Dall, 1892, p. 330 [mutation *S. bellistriatum* Conrad]; Cossmann, 1915b, p. 166 as *coelaturum*

Solarium coelaturum [*sic*] (Conrad), Cossmann, 1893, p. 28 in part

Range.—Middle Eocene ? Gosport sd. ? (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, "Claiborne" [locality doubtful]

Types.—Two possible syntypes, No. 15383 ANSP Moore, 1962, p. 44

Architectonica cancellata (Conrad)
See *Solariella cancellata* (Conrad)

Architectonica cossmanni (Dall) **Architectonicidae**

Solarium Cossmanni Dall, 1892, p. 324 not Greggs Ldg., Ala., pl. 22, figs. 14, 14a; Harris, 1899a, p. 82; Schuchert, *et al.*, 1905, p. 601 as *Solariaxis cossmanni* (Dall)

Architectonica Cossmanni (Dall), Palmer, 1937, p. 166, pl. 18, figs. 3, 8 copy Dall

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). MISS.: *Clarke Co.*, Wautubbee

Type.—Holotype, No. 113508 USNM

Architectonica cupola (Heilprin) **Architectonicidae**

Solarium cupola Heilprin, 1881, p. 375, pl. 20, fig. 14; Aldrich, 1886, p. 51; Dall, 1892, p. 326; Harris, 1899a, p. 78, pl. 11, fig. 2; Brann and Kent, 1960, p. 804

Range.—Lower Eocene. Bashi mem. (type); Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; Cave Branch, Bashi Cr.; Knights Branch, Bashi Cr. (type); *Choctaw Co.*, 4 mi. S. of Mt. Sterling; Butler; *Wilcox Co.*, Bethel

Type.—Holotype, No. 63 GSATC

Architectonica (Solariaxis) elaborata (Conrad) **Architectonicidae**

Solarium elaboratum Conrad, 1833a, p. 344; Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 47, pl. 17, fig. 4; (Harris reprint, 1893, p. 103, pl. 17, fig. 4); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 348; Tuomey, 1858, pp. 267, 274; de Gregorio, 1890, p. 135 in part, pl. 12, figs. 25a, b copies Conrad; fig. 28; not figs. 30-32 copy *S. Hargeri* = Oligocene; Dall, 1892, p. 324 in part; not Cossmann, 1893, p. 27 = *A. crnata;* Harris, 1895b, p. 17; Harris, 1899a, p. 80; Cossmann, 1915b, p. 169, pl. 7, figs. 8, 19, 20; not fig. 18 as in ex. pl. = *A. alveata*

Architectonica elaborata (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13; Palmer, 1937, p. 164 in part, pl. 18, figs. 10-12 *Solarium striato-granulatum* Heilprin type, figs. 13, 14, 17, 18; pl. 81, figs. 13, 14 Conrad type; not pl. 18, figs. 15, 16, 19; pl. 81, figs. 9-11 = *Architectonica ornata;* Brann and Kent, 1960, p. 86 in part, Nos. 2839, 2840 only

Solaricm striato-granulatum Heilprin, 1879a, p. 212, pl. 13, fig. 3; Meyer, 1887a, p. 18 [sculptural variation]

Solarium elaboratum (Conrad), Sacco, 1892a, p. 60

Architectonica (Solariaxis) elaborata (Conrad), Harris and Palmer, 1947, p. 273; Glibert, 1862b, p. 127

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; cf. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. base of Claiborne Bluff, Alabama R. Cf. TEXAS: *Cherokee Co.*, H. W. Berryman Place, 2½ mi. from Linwood, 11 mi. from Rusk [not Angelina Co. as of Veatch, Palmer, 1937, p. 11 see Stenzel, Krause, and Twining, 1957, p. 147]

Types.—Lectotype and 3 remaining specimens, *A. elaborata*, No. 15377 ANSP Moore, 1962, p. 57. Holotype, *A. striato-granulata* (Heilprin), No. 10123/1 AMNH, Hall Coll. 5570/1 AMNH (Whitfield and Hovey, 1901)

Architectonica exacuua Conrad
See *Cyclostremiscus exacuus* (Conrad)

Architectonica fungina (Conrad) **Architectonicidae**

Solarium funginum Conrad, 1833c, p. 44; (Harris reprint, 1893, p. 70); Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 48, pl. 17, fig. 7; (Harris reprint, 1893, p. 104, pl. 17, fig. 7); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 248; de Gregorio, 1890, p. 136, pl. 12, figs. 58, 59, copies Conrad; Dall, 1892, p. 327; Harris, 1895b, p. 20

Solarium Henrici I. Lea, 1833, p. 119, pl. 4, fig. 107; Conrad, App. *in* Morton, 1834, p. 3 = *funginum:* H. C. Lea, 1849, p. 105; Meyer, 1885a, p. 463; Meyer, 1887a, p. 18, pl. 1, figs. 19, a, b; de Gregorio, 1890, p. 136, pl. 12, figs. 42-44; figs. 45, 46 copies Lea; figs. 47, 48 copies Meyer; Cossmann, 1893, p. 28; Harris, 1895b, p. 22 = *S. funginum* Conrad
Architectonica fungina (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13; Palmer, 1937, p. 162, pl. 17, figs. 17, 21, 24; pl. 81, figs. 6-8 type *Solarium Henrici* I. Lea; pl. 82, figs. 8, 10, 15 type; Brann and Kent, 1960, p. 86
Architectonica Henrici (I. Lea), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13
Not *Solariella fungina* ? (Conrad), Cossmann, 1893, p. 22, pl. 1, fig. 26. See *Solariella fungina* Cossmann
Not *Eumargarita (Solariella) fungina* Cossmann, 1918b, p. 261

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). MISS.: *Clarke Co.*, Wautubbee
Types.—Lectotype and 2 remaining specimens, No. 15373 ANSP Moore, 1962, p. 62. Holotype *S. Henrici*, I. Lea, No. 5593 ANSP

Architectonica greggi (Harris) **Architectonicidae**
Solarium greggi Harris, 1897a, p. 480, pl. 23, figs. 5, 5a; Harris, 1899a, p. 79, pl. 11, figs. 4, 4a type

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 7314 ANSP

Architectonica henrici (I. Lea)
See *Architectonica fungina* (Conrad)

Architectonica huppertzi (Harris) **Architectonicidae**
Solarium huppertzi Harris, 1895a, p. 83, pl. 7, figs. 10, 10a
Architectonica huppertzi (Harris), Palmer, 1937, p. 166, pl. 20, figs. 1, 4 type

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35634 BEG

Architectonica huppertzi (Harris) "var." **Architectonicidae**
Solarium huppertzi Harris var., Harris, 1897a, p. 477, pl. 21, fig. 5; Harris, 1899a, p. 79, pl. 11, figs. 3

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Figured specimen, No. 7316 ANSP

Architectonica ianthinae (Van Winkle) **Architectonicidae**
Solarium ianthinae Van Winkle *in* Van Winkle and Harris, 1919, p. 8, pl. 1, figs. 7-9; Brann and Kent, 1960, p. 804
Architectonica ianthinae (Van Winkle), Palmer, 1937, p. 162

Range.—Lower Eocene. Nanjemoy fm. (type)
Locality.—VA.: *Prince George Co.*, James R., just below City Point (type)
Types.—Syntypes, Nos. 1396, 1397 PRI

Architectonica idonea Conrad, 1868, p. 732 *nomen nudum*

Architectonica intusa (Harris) **Architectonicidae**

Solarium delphinuloides Heilprin, Aldrich, 1886, p. 57; Cossmann, 1915b, p. 170 as *delphinoides*. Not Heilprin, 1881, p. 375
Solarium elaboratum Conrad, Dall, 1892, p. 324 in part (Greggs Ldg., Yellow Bluff)
Solarium elaboratum intusum Harris, 1899a, p. 81, pl. 11, fig. 8; Brann and Kent, 1960, p. 804

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); *Wilcox Co.*, Yellow Bluff, Alabama R.
Type.—Holotype, No. 324 PRI

Architectonica johnsoni (Dall) **Architectonicidae**

Solarium Johnsoni Dall, 1892, p. 328, pl. 22, figs. 15, 15a; Schuchert, *et al.*, 1905, p. 602
Architectonica Johnsoni (Dall), Palmer, 1937, p. 162, pl. 17, figs. 2, 8, 12; Brann and Kent, 1960, p. 87

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 113544 USNM

Architectonica leana (Dall) **Architectonicidae**

Solarium leanum Dall, 1892, p. 325, pl. 22, fig. 12; Harris, 1899a, p. 81, pl. 11, fig. 6; Schuchert, *et al.*, 1905, p. 601 as *Solariaxis leanum* (Dall)
Architectonica leana (Dall), Palmer, 1937, p. 170, pl. 20, figs. 2, 3, 10; figs. 6, 8 holotype; Brann and Kent, 1960, p. 87

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr. Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Wautubbee (type). ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Type.—Holotype, No. 113512 USNM

Architectonica (Granosolarium) meekana Gabb **Architectonicidae**

Architectonica Meekana Gabb, 1860d, p. 385, pl. 67, fig. 40; Conrad, 1865a, p. 30; Conrad, 1866a, p. 13
Solarium Meekanum (Gabb), Heilprin, 1891a, p. 400; Dall, 1892, p. 324 as *Meekianum* in section *Solariaxis*
Architectonica acuta meekiana [*sic*] Gabb, Palmer, 1937, p. 168 in part, not pl. 20, figs. 9, 11, 13; pl. 81, figs. 1, 2 type; not Brann and Kent, 1960, p. 84 = *Architectonica* sp.
Architectonica (Granosolarium) meekana Gabb, Palmer, 1944, p. 12, pl. 1, figs. 4-7
Architectonica acuta subsp. ? *meekana* Gabb, Gardner, 1945, p. 153, pl. 23, figs. 4, 5, 6 not holotype as indicated

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Localities.—TEXAS: "Caldwell Co." (Gabb type) = *Burleson Co.*, Stone City Bluff, Brazos R.; *Robertson Co.*, Wheelock, on Old Spanish Road (Stenzel, Krause, and Twining, 1957, p. 11)
Types.—Syntypes (2), No. 13291 ANSP

Architectonica meekana splendida Palmer **Architectonicidae**

Architectonica acuta Conrad, Palmer, 1937, p. 168 in part, pl. 20, figs. 12, 14-17; Brann and Kent, 1960, p. 83. Not *A. acuta* Conrad *in* Wailes, 1854, p. 289
Architectonica (Granosolarium) meekana splendida Palmer, 1944, p. 14; Brann and Kent, 1960, p. 87

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129) (type). LA.: *Sabine Par.*, Columbus, Sabine R.; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. (paratype)
Types.—Holotype, No. 4555; paratypes, Nos. 4556, 4557 PRI

Architectonica (Granosolarium) meekana subsplendida Palmer **Architectonicidae**

Architectonica (Granosolarium) meekana subsplendida Palmer *in* Harris and Palmer, 1947, p. 271, pl. 33, figs. 1, 5-8; Brann and Kent, 1960, pp. 87, 88

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo cl. upper Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch and Town Creek, Jackson; 1 mi. SW. of City Water works on G. M. and N. R. R., Jackson. LA.: *Grant Par.*, Montgomery Ldg. (type) and ½ mi. below ferry, Red R.; *Catahoula Par.*, Danville Ldg., Ouchita R. (paratype)
Types.—Holotype, No. 4555; paratypes, No. 4556, 4557 PRI

Architectonica (Granosolarium) ornata (I. Lea) **Architectonicidae**

Solarium ornatum I. Lea, 1833, p. 120, pl. 4, fig. 108; H. C. Lea, 1849, p. 106; d'Orbigny, 1850, p. 348; Heilprin, 1879b, p. 224; de Gregorio, 1890, p. 136, pl. 12, figs. 53a, b copies Lea; Dall, 1892, p. 324 in part; Harris, 1895b, p. 31. Not *S. ornatum* Sowerby, James de Carle *in* Fitton, 1835a, p. 336
Solarium canaliculatum Lamarck, Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, pp. 34, 48 [probably]. Not *S. canaliculatum* Lamarck, 1804b, p. 53
Architectonica ornata (I. Lea), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13; Palmer, 1937, p. 164 in part, pl. 81, figs. 9-11 lectotype
Solarium elaboratum ornatum (I. Lea), Dall, 1892, p. 324 in part, section *Solariaxis*
Solarium elaboratum Conrad, Cossmann, 1893, p. 27. Not Conrad, 1833a
Architectonica elaborata (Conrad), Palmer, 1937, p. 164 in part, pl. 18, figs. 15, 16, 19; pl. 81, figs. 9-11; not pl. 18, figs. 10-14, 17, 18; pl. 81, figs. 13, 14 (=type *A. elaborata*); Brann and Kent, 1960, p. 86 in part, No. 2841 only; Glibert, 1962b, p. 126

Architectonica (Granosolarium) ornata (I. Lea), Palmer, 1944, pp. 8, 9; Harris and Palmer, 1947, pp. 270, 273, pl. 33, fig. 12; Brann and Kent, 1960, p. 88

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Burleson Co.*, big branch of Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City, probably Cedar Cr. near Wheelock, Robertson Co. (*fide* Stenzel, 1958, pers. com.)
Type.—Lectotype, *A. ornata* (I. Lea), No. 5600 ANSP; not No. 5500 as in Palmer, 1937

Architectonica (Granosolarium) ornata jacksonia Palmer **Architectonicidae**

Solarium elaboratum Conrad var. Dall, 1892, p. 324
Architectonica (Granosolarium) ornata jacksonia Palmer *in* Harris and Palmer, 1947, p. 270, pl. 33, figs. 2-4, 13; Brann and Kent, 1960, p. 88

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.,
Types.—Holotype, No. 4552; paratype, No. 4553 PRI

Architectonica periscelida (Dall) **Architectonicidae**

Solarium periscelidum Dall, 1892, p. 325, pl. 22, fig. 11; Harris, 1896, p. 115, pl. 12, fig. 5; Schuchert, *et al.*, 1905, p. 601 as *Solariaxis periscelidum* (Dall)

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.; *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type)
Type—Holotype, No. 113510 USNM

Architectonica phoenicea Gardner **Architectonicidae**

Architectonica phoenicea Gardner, 1935, p. 301, pl. 26, figs. 6, 7

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Localities.—TEXAS: *Bastrop Co.*, Colorado R., 1½ mi. below Travis-Bastrop Co. line (type); Colorado R. 4 ± mi. below Webberville; *Williamson Co.*, Dry Brushy Cr., 6 mi. S. of Thrall
Type.—Holotype, No. 370995 USNM

Architectonica plana (I. Lea)
See *Cyclostremiscus exacuus* (Conrad)

Architectonica planiformis (Aldrich) **Architectonicidae**

Solarium planiforme Aldrich, 1895a, p. 2, pl. 1, figs. 4-6
Architectonica planiformis (Aldrich) ?, Gardner, 1935, p. 301

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; Wills Point fm., upper Midway gr. (Gardner)

Localities.—ALA.: *Wilcox Co.*, near Rosebud P. O. (type). TEXAS: *Williamson Co.*, Dry Brushy Cr., 6 mi. S. of Thrall (Gardner)

Type.—Holotype, No. 638919 USNM

Architectonica pseudogranulata (d'Orbigny)
See *Solariella tricostata* (Conrad)

Architectonica sabinia Palmer **Architectonicidae**

Solarium delphinuloides Heilprin, 1881, p. 375, pl. 20, fig. 13

Not *Solarium delphinuloides* d'Orbigny, 1845, [1846], p. 189, Recent

Not *Solarium delphinuloides* Meyer, 1887a, p. 4 Jackson Eocene

Solarium elaboratum delphinuloides Heilprin, Harris, 1899a, p. 80, pl. 11, fig. 5; Brann and Kent, 1960, p. 804

Architectonica sabinia Palmer, 1944, p. 17; Harris and Palmer, 1947, p. 271

Architectonica (Granosolarium) sabinia Palmer, Glibert, 1962b, p. 126

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 13256 ANSP

Architectonica scrobiculata (Conrad) **Architectonicidae**

Solarium scrobiculatum Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70); H. C. Lea, 1849, p. 106; d'Orbigny, 1850, p. 348; not Aldrich, 1886, p. 57 = *A. bellense* Harris; de Gregorio, 1890, p. 137, pl. 12, figs. 20, 21 copies Conrad; Dall, 1892, p. 326; Cossmann, 1893, p. 28; Harris, 1895b, p. 40; Harris, 1899a, p. 82; Cossmann, 1915b, p. 174

Solarium patulum Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 49, pl. 17, fig. 9 (Harris reprint, 1893, p. 105, pl. 17, fig. 9); H. C. Lea, 1849, p. 106; Harris, 1895b, p. 40 = *S. scrobiculatum* Conrad. Not *Solarium patulum* Lamarck, 1804b, p. 53

Architectonica texana Gabb, 1860d, p. 384, pl. 67, fig. 38, Conrad, 1865a, p. 30; Conrad, 1866a, p. 13

Architectonica scrobiculata (Conrad), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13; Palmer, 1937, p. 172, pl. 19, figs. 1-4; pl. 81, figs. 3-5 type, figs. 12, 15 type *A. texana* Gabb; Brann and Kent, 1960, p. 89

Solarium texanum (Gabb), Heilprin, 1891a, p. 400; not Dall, 1892, p. 326 in part = *Architectonica sylvaerupis* (Harris)

Torinia (Climacopoma) scrobiculatum (Conrad), Cossmann, 1915b, p. 174

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Sabine Co.*, opposite middle line of SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 22 (Veatch, 1902, p. 129); *Brazos* Co., Little Brazos R., 2½ mi. above Stone City; "*Burleson Co.*, big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm 3 mi., NW. Stone City" probably equals *Robertson Co.*, Cedar Cr. near Wheelock (*fide* Stenzel, 1958, pers. com.). MISS.: *Newton Co.*, Hickory

Types.—Lectotype + 1 specimen, No. 15390 ANSP Moore, 1962, p. 95. Holotype *A. texana* Gabb, No. 13290 ANSP

Architectonica scrobiculata hicoria Palmer **Architectonicidae**

Architectonica scrobiculata hicoria Palmer, 1937, p. 172, pl. 19, figs. 5-7; Brann and Kent, 1960, p. 89

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Sabine Par.*, Columbus, Sabine R. MISS.: *Newton Co.*, Hickory (type); 2 mi. NE. of Newton on route 15
Type.—Holotype, No. 2844 PRI

Architectonica stalagmium (Conrad)
See *Solariella stalagmium* (Conrad)

Architectonica sylvaerupis (Harris) **Architectonicidae**

Solarium texanum Gabb, Dall, 1892, p. 326 in part. Not *A. texana* Gabb, 1860d, p. 384
Solarium sylvaerupis Harris, 1897a, p. 477; Harris, 1899a, p. 78, pl. 11, fig. 1; Dall, 1903a, p. 1653; Brann and Kent, 1960, p. 804

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); near Choctaw Corner
Type.—Holotype, No. 321 PRI

Architectonica texana Gabb
See *Architectonica scrobiculata* (Conrad)

Architectonica (Granosolarium) texcarolina **Architectonicidae**

Architectonica (Granosolarium) texcarolina Palmer, 1944, p. 15, pl. 1, figs. 8-11; Brann and Kent, 1960, p. 89

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.
Localities.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City (type). S.C.: *Orangeburg Co.*, Orangeburg district
Types.—Holotype, No. 4457; paratype, No. 4456 PRI

Architectonica textilina (Dall) **Architectonicidae**

Solarium textilinum Dall, 1892, p. 328, pl. 22, figs. 1-3; Schuchert, *et al.*, 1905, p. 602; Cossmann, 1915b, p. 166
Architectonica textilina (Dall), Palmer, 1937, p. 160, pl. 17, figs. 3, 4, 9 copies Dall; Palmer, 1944, p. 13

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Clarke Co.*, Wautubbee (type)
Type.—Holotype, No. 113538 USNM

Architectonica trilirata Conrad
See *Architectonica (Architectonica)* sp.

Architectonica (Architectonica) trilirata (Conrad) "var." Harris and Palmer, 1947
See *Architectonica (Architectonica)* sp.

Architectonica vespertina Gabb **Architectonicidae**

Architectonica vespertina Gabb, 1860d, p. 384, pl. 67, fig. 39; Conrad, 1865a, p. 30; Conrad, 1866a, p. 13; Palmer, 1937, p. 168, pl. 18, figs.

4, 5; pl. 82, figs. 2, 4 type; Palmer, 1944, p. 13; Brann and Kent, 1960, p. 89

Solarium vespertinum (Gabb), Heilprin, 1891a, p. 400; Dall, 1892, p. 324

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R.; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼, sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop No. 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 13292 ANSP

Architectonica sp. **Architectonicidae**

Solarium elaboratum Conrad, de Gregorio, p. 135 in part, pl. 12, figs. 26-28. Not *S. elaboratum* Conrad, 1833a, p. 344

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Figured specimen, formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Architectonica sp. **Architectonicidae**

Solarium sp. Clark, 1895, p. 5; Clark, 1896, p. 71, pl. 14, figs. 4a, 4b; Clark and Martin, 1901, p. 153, pl. 28, figs. 7, 7a

Range.—Paleocene. Aquia fm.
Localities.—VA.: *Stafford Co.*, Aquia Cr.; MD.: *Charles Co.*, 1 mi. SE. of Mason Springs
Type.—Figured specimen, USNM

Architectonica sp. **Architectonicidae**

Solarium sp. Harris, 1896, p. 115, pl. 12, fig. 6; Brann and Kent, 1960, p. 804

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.

Type.—Figured specimen, No. 113 PRI

Architectonica (Architectonica) sp. **Architectonicidae**

Solarium bellistriatum var. *triliratum* Conrad, Dall, 1892, p. 327 in part (Jackson). Not Conrad, 1848a, p. 282

? *Architectonica trilirata* (Conrad), Palmer, 1937, p. 159 in part (Jackson only). Not *Solarium triliratum* Conrad, 1848a Vicksburg Oligocene

Architectonica (Architectonica) trilirata (Conrad) "var.", Harris and Palmer, 1947, p. 269 in part, pl. 32, figs. 4-6, not fig. 7; Brann and Kent, 1960, p. 89

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson. LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.; *Caldwell Par.*, Gibson Ldg., Ouachita R.

Type.—Figured specimen, No. 4547 PRI

Architectonica (Granosolarium) sp. **Architectonicidae**

Architectonica acuta meekiana [*sic*] Gabb, Palmer, 1937, p. 168 (loc. 733), pl. 20, figs. 9, 11, 13. Not *A. meekana* Gabb, 1860d, p. 385
Architectonica (Granosolarium) sp. Palmer, 1944, p. 13
Architectonica acuta meekana Gabb, Brann and Kent, 1960, p. 84. Not *A. meekana* Gabb, 1860d

Range.—Middle Eocene. Weches fm., middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.
Type.—Figured specimen, No. 2853 PRI

Argobuccinum mansfieldi Gardner
See *Murex (Argobuccinum) mansfieldi* Gardner

Argobuccinum Tuomeyi (Aldrich)
See *Ranella tuomeyi* Aldrich

Asiolus pignus de Gregorio
See *Skenea pignus* (de Gregorio)

Asthenotoma (Trypanotoma) [*Sinistrella*] *americana* (Aldrich)
See *Sinistrella americana* (Aldrich)

Asthenotoma danvitexa Harris **Turridae**

Asthenotoma danvitexa Harris *in* Harris and Palmer, 1947, p. 440, pl. 61, figs. 9, 9a, 9b; Brann and Kent, 1960, p. 96

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 4965 PRI

Asthenotoma eximia Casey **Turridae**

Asthenotoma eximia Casey, 1904, p. 149; Harris, 1937, p. 85, pl. 14, fig. 6 holotype; fig. 7; Brann and Kent, 1960, p. 96; Glibert, 1960b, p. 65

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Robertson Co.*, 6 mi. W. of Wheelock (type). LA.: *Sabine Par.*, Sabine R., near Columbus
Type.—Holotype, No. 494363 USNM

Asthenotoma jacksonensis (Meyer)
See *Scobinella ? jacksonensis* (Meyer)

Asthenotoma meyeri (Cossmann)
See *Microdrillia cossmanni* (Meyer)

Asthenotoma (Scobinella) sativa (de Gregorio)
See *Scobinella sativa* (de Gregorio)

Asthenotoma shaleri (Vaughan)
See *Lyrosurcula shaleri* (Vaughan)

Asthenotoma strigosa Casey **Turridae**

Asthenotoma strigosa Casey, 1904, pp. 149, 150; Harris, 1937, p. 85, pl. 14, fig. 5 holotype; fig. 5a; Brann and Kent, 1960, p. 96

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type). LA.: *Sabine Par.*, Sabine R., near Columbus (exact outcrop not designated see Veatch Survey 1902, pp. 129, 130)
Type.—Holotype, No. 494364 USNM

Asthenotoma terebriformis (Meyer)
See *Trypanotoma terebriformis* (Meyer)

Asthenotoma (Trypanotoma) terebriformis (Meyer), Cossmann, 1896b
See *Trypanotoma terebriformis curta* Harris

Asthenotoma texana (Gabb)
See *Trypanotopsis texana* (Gabb)

Asthenotoma sp. **Turridae**
Asthenotoma sp. Harris and Palmer, 1947, pl. 61, fig. 11; Brann and Kent, 1960, p. 96

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Figured specimen, No. 4966 PRI

Asthenotoma sp. **Turridae**
Asthenotoma sp. Harris and Palmer, 1947, p. 441, pl. 61, fig. 12; Brann and Kent, 1960, p. 96

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Figured specimen, No. 4967 PRI

Astraea withlacoochensis Palmer **Turbinidae**
Astraea withlacoochensis Palmer *in* Richards and Palmer, 1953, p. 12, pl. 1, fig. 12

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, ⅛ mi. below Florida Power Corporation Plant at Inglis on right bank of Withlacoochee R., SE. ¼, NW. ¼ sec. 3, T. 17 S., R. 16 E. (type)
Type.—Holotype, No. I-7395 Fla. Geol. Sur.

Astyris bastropensis Harris
See *Mitrella (Bastropia) bastropensis* (Harris)

Astyris crassus Chaven *in* Palmer **Columbellidae**
Metula (Celatoconus) crassa Cossmann, 1901b, p. 167 *nomen nudum*
Anachis (Astyris) crassus Chaven *in* Palmer, 1937, p. 284, pl. 38, figs. 11, 12

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 6162 Lab. Géol., Sorbonne, Paris

Astyris mississippiensis (Meyer and Aldrich)
See *Mitrella (Columbellopsis) mississippiensis* (Meyer and Aldrich)

Astyris parva (H. C. Lea)
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Astyris subfraxa Harris **Columbellidae**

Astyris subfraxa Harris, 1899a, p. 58, pl. 7, fig. 11; Brann and Kent, 1960, p. 99
Ptychatractus subfraga [*sic*] (Harris), Cossmann, 1901b, p. 54

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 99 PRI

Athleta arangius Palmer **Volutidae**

Athleta arangia Palmer *in* Richards and Palmer, 1953, p. 34, pl. 8, figs. 6, 8

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (holotype); *Citrus Co.*, pit of Dunnellon Phosphate Mining Co., SW. ¼ SE ¼ sec. 10, T. 18 S., R. 19 E. (paratype)
Types.—Holotype, No. I-7617 (fig. 8); paratypes, No. I-7618 (fig. 6); No. I-7619 unfigured paratypes Fla. Geol. Sur.

Athleta clarae (Harris) **Volutidae**

Voluta clarae Harris, 1899a, p. 34, pl. 4, fig. 2; Brann and Kent, 1960, p. 976

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm. upper Wilcox [Sabine] gr.
Localities.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type); *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Holotype, No. 261 PRI

Athleta clayi B. Smith **Volutidae**

Athleta clayi B. Smith, 1907b, p. 234, figs. 1, 2, 4, 7; Palmer, 1937, p. 378, pl. 61, figs. 2-4 copies Smith; Fisher, Rodda, and Dietrich, 1964, pp. 7, 59, 60
Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Types.—Syntypes, No. 6760 ANSP

Athleta conoides (Tuomey) **Volutidae**

Voluta conoides Tuomey, 1853, p. 193
Plejona conoides (Tuomey) ?, Kellum, 1926, p. 31 in part, ? pl. 6, fig. 4

Range.—Cretaceous mixed with Eocene. Near Wilmington, N.C. Cretaceous is in contact with Tertiary. (Stanton, 1891, pp. 333, 334; Stephenson, 1923, p. 192; Kellum, 1926, p. 3)
Locality.—N.C.: *New Hanover Co.*, near Wilmington (type)
Type.—Unknown

Athleta dalli (Harris) **Volutidae**

Caricella reticulata Aldrich, Heilprin, 1891a, p. 396; Cossmann, 1899b, p. 130. Not Aldrich, 1885a, p. 147 = Oligocene

Volutilithes dalli Harris, 1895a, p. 67, pl. 6, figs. 8, 8a; Cossmann, 1899b, p. 137; B. Smith, 1907b, p. 230; Renick and Stenzel, 1931, p. 86, pl. 6, fig. 9

Athleta dalli (Harris), Palmer, 1937, p. 382, pl. 61, figs. 11, 12; figs. 13 as lectotype, 14 copies Harris; Brann and Kent, 1960, p. 99; Rodda and Fisher, 1964, pp. 235-243, fig. 2; Fisher, Rodda, and Dietrich, 1964, pp. 55+, pl. 9, figs. 3, 4

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type) (*fide* Harris, 1893a ms. p. 116); *Robertson Co.*, Cedar Creek; Buck McBride's 134 acre tract, José Maria Viesca Survey
Types.—Lectotype (Palmer, 1937), No. 35508 BEG (fig. 8); paralectotype (herein), No. 35507 BEG (fig. 8a)

Athleta dalli forma **smithvillensis** (F. B. Plummer) **Volutidae**

Plejona (Volutocorbis) dalli smithvillensis F. B. Plummer, 1933, p. 813, pl. 9, figs. 14, 15

Athleta dalli smithvillensis (F. B. Plummer), Palmer, 1937, p. 383, pl. 61, figs. 9, 10 copies Plummer

Athleta dalli Plummer "variety", Fisher, Rodda, and Dietrich, 1964, p. 56 part of *A. petrosus* stock

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Colorado R. just N. of bridge, Smithville (type). Not LA.: *Sabine Par.*, about 5 mi. N. of Fort Jessup (Wilcox gr.) as in Palmer, 1937, p. 383
Types.—Syntypes, No. 21510 BEG, No. P 5382 BEG

Athleta haleanus (Whitfield) **Volutidae**

Mitra Haleanus Whitfield, 1865, p. 263, pl. 27, fig. 6; Aldrich, 1887, p. 80; de Gregorio, 1890, p. 74, pl. 5, fig. 8 copy Whitfield

Volutilithes haleanus (Whitfield), B. Smith, 1906, p. 69

Athleta haleana (Whitfield), Palmer, 1937, p. 379, pl. 61, figs. 5, 6 holotype; figs. 7, 8; Brann and Kent, 1960, p. 100; Fisher, Rodda, and Dietrich, 1964, pp. 59, 60

Volutocorbis ? haleanus (Whitfield), Gardner, 1945, p. 224, pl. 22, figs. 1, 5 holotype

Athleta (Volutispina [sic]) haleana (Whitfield), Glibert, 1960a, p. 51

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R.; Lisbon Bluff, Alabama R. (type), [not Vicksburg as in Whitfield]
Types.—Syntypes (5), No. UC 24672 CNHM

Athleta haleanus jacksonius Palmer **Volutidae**

Athleta haleana jacksonia Palmer *in* Harris and Palmer, 1947, p. 393, pl. 53, figs. 13-15; Brann and Kent, 1960, pp. 99, 100; Fisher, Rodda, and Dietrich, 1964, p. 59

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Types.—Holotype, No. 4751; paratypes, No. 4749, 4750 PRI

Athleta lisbonensis (Aldrich) **Volutidae**

Volutilithes lisbonensis Aldrich, 1897a, p. 14, pl. 2, figs. 1, 1a; Cossmann, 1899b, p. 137

Athleta lisbonensis (Aldrich), Palmer, 1937, p. 383, pl. 59, figs. 14, 15 original drawings Aldrich; Rodda and Fisher, 1964, pp. 235-243, figs. 2-8; Fisher, Rodda, and Dietrich, 1964, pp. 53 +, pl. 9, figs. 1, 2, 10-14

Athleta petrosa lisbonensis (Aldrich), Fisher and Rodda, 1961, p. 53A

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 638996 USNM

Athleta lisbonensis forma **crockettensis** (F. B. Plummer) **Volutidae**

Plejona (Volutocorbis) lisbonensis crockettensis F. B. Plummer, 1933, p. 813, pl. 9, fig. 19

Athleta lisbonensis crockettensis (F. B. Plummer), Palmer, 1937, p. 383, pl. 59, fig. 11 copy Plummer; Fisher, Rodda, and Dietrich, 1964, pp. 53, 54 intermediate form of *A. lisbonensis*

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)

Type.—Holotype, No. P 2217 BEG

Athleta lisbonensis forma **wechesensis** (F. B. Plummer) **Volutidae**

Plejona (Volutocorbis) lisbonensis wechesensis F. B. Plummer, 1933, p. 813, pl. 9, figs. 17, 18

Athleta lisbonensis wechesensis (F. B. Plummer), Palmer, 1937, p. p. 384, pl. 59, figs. 5, 9 copies Plummer; Fisher, Rodda, and Dietrich, 1964, pp. 53, 54 intermediate form of *A. lisbonensis*

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, bank of Colorado R., just N. of bridge, Smithville (type)

Types.—Syntype, Nos. 21511, 21519 BEG

Athleta petrosus (Conrad) **Volutidae**

Voluta petrosa Conrad, 1833b, p. 29 [not illustrated] (Harris reprint, 1893, p. 51); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 41, pl. 16, fig. 2; Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 107; d'Orbigny, 1850, p. 353; Tuomey, 1858, pp. 268, 272; de Gregorio, 1890, p. 63, pl. 4, figs. 50, 51; fig. 60 type Conrad; fig. 62 copy *V. parva* I. Lea; Harris, 1895b, p. 34

Voluta parva I. Lea, 1833, p. 173, pl. 6, fig. 181; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 33 = *V. petrosa* Conrad

Voluta Vanuxemi I. Lea, 1833, p. 173, pl. 6, fig. 182; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 33 = *V. petrosa* Conrad

Volutilithes petrosus (Conrad), Conrad, 1854, p. 31; Conrad, 1865a, p. 23; Conrad, 1866a, p. 16; Dall, 1890, p. 75; Heilprin, 1891a, p. 396; Cossmann, 1893, p. 39; Harris, 1899a, p. 33 in part, not pl. 4, fig. 1 = *A. tuomeyi* Conrad; Cossmann, 1899b, p. 137; not Clark and Martin, 1901, p. 130, pl. 21, figs. 4, 5, 5a = cf. *A. tuomeyi* Conrad; B. Smith, 1906, p. 58, pl. 2, figs. 3-10; Veatch, 1906, in part, pl. 14, figs. 2, 2a; Aldrich, 1931, p. 6, pl. 6, fig. 3; not Brann and Kent, 1960, p. 977 = *A. tuomeyi* Conrad

Volutilithes indenta Conrad, 1865a, p. 23; Conrad, 1865c, p. 144; Conrad, 1865d, p. 211, pl. 21, fig. 10; Palmer, 1937, p. 372, pl. 58, figs. 5, 8, 7 copy type as *A. petrosa indenta;* pl. 88, fig. 1 type under *A. petrosa;* Brann and Kent, 1960, p. 101 as *A. petrosa indenta*

Volutilithes impressa Conrad, 1865a, p. 23; Conrad, 1865c, p. 144; Conrad, 1865d, p. 211, pl. 20, fig. 3 "Texas"; Palmer, 1937, p. 372, pl. 88, fig. 11 type under *A. petrosa*

Voluta petrosus var. *Vanuxemi* I. Lea, de Gregorio, 1890, p. 63, pl. 4, fig. 53, fig. 59 copy Lea

Athleta petrosa (Conrad), B. Smith, 1907b, pp. 229, 232-234, figs. 3, 6; Palmer, 1937, p. 372 in part, pl. 58, figs. 2-4, 6, only; pl. 88, fig. 7 copy type *parva* Lea; not Le Blanc, 1942⁺, p. 137 = *A. tuomeyi* (Conrad); not Harris and Palmer, 1947, p. 391, pl. 53, figs. 1-4 = *A. symmetricus;* Brann and Kent, 1960, pp. 100, 101 in part Nos. 3178-3180, 3182; Fisher and Rodda, 1961, p. 53A; Rodda and Fisher, 1964, pp. 235-244, figs.; Fisher, Rodda, and Dietrich, 1964, p. 41, pl. 8, figs. 1-4; pl. 10, figs. 6-10; pl. 11, figs. 6-10 see for complete synonymy

Volutocorbis (Volutospina) petrosus (Conrad), Stewart, 1927, p. 407

Volutocorbis petrosus (Conrad), Trowbridge, 1932, pl. 42, figs. 1, 2 copies Veatch, fig. 3; not Shimer and Shrock, 1944, p. 508, pl. 209, figs. 3-5 = cf. *A. tuomeyi* Conrad

Volutospina impressa (Conrad), Gardner, 1945, p. 233, pl. 23, figs. 1-3 "holotype"

Volutospina indenta (Conrad), Gardner, 1945, p. 225, pl. 23, figs. 8, 9 "holotype"

Volutovetus petrosus (Conrad), Pilsbry and Olsson, 1954, p. 22, pl. 2, fig. 8 type species of *Volutovetus* Pilsbry and Olsson, 1954

Athleta (Volutispina [*sic*]) *petrosa* (Conrad), Glibert, 1960a, p. 52 in part Claiborne only

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). For further localities see Fisher, Rodda, and Dietrich, 1964

Types.—*Voluta petrosa* lectotype ? + 2 specimens, No. 14411 ANSP, Moore, 1962, p. 87. *Volutilithes impressus* Conrad possible syntypes (2), No. 13241 ANSP Moore, 1962, p. 65 "Texas". *Volutilithes indentus* Conrad possible syntypes (2), No. 13242 ANSP Moore, 1962, p. 66, label reads "Texas ?". Holotype *Voluta parva* I. Lea, No. 5883 ANSP. Holotype *Voluta vanuxemi* I. Lea, No. 5884 ANSP

Athleta petrosus (Conrad), of authors, Jackson Eocene. Not Conrad, 1833b
See *Athleta symmetricus* (Conrad)

Athleta petrosus (Conrad) of authors, lower Eocene. Not Conrad, 1833b
See *Athleta tuomeyi* Conrad

Athleta petrosus lisbonensis (Aldrich)
See *Athleta lisbonensis* (Aldrich)

Athleta petrosus smithi Fisher and Rodda **Volutidae**

Athleta petrosa smithi Fisher and Rodda *in* Fisher, Rodda, and Dietrich, 1964, p. 43 +, pl. 8, figs. 8, 9; pl. 11, figs. 1-5; text figs.

Range.—Middle Eocene. Reklaw fm. (type), lower Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, bluff on Ridge Cr., 6.2 mi. W. of Smithville
Types.—Holotype, No. 35288; paratypes, 35285, 35289, 35272, 35287 BEG

Athleta petrosus symmetricus (Conrad)
See *Athleta symmetricus* (Conrad)

Athleta petrosus tuomeyi Conrad
See *Athleta tuomeyi* Conrad

Athleta sayanus (Conrad) **Volutidae**

Voluta sayana Conrad, 1833b, p. 29 [not illustrated] (Harris reprint, 1893, p. 51); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 41, pl. 16, fig. 1 (Harris reprint, 1893, p. 97, pl. 16, fig. 1); Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 107; d'Orbigny, 1850, p. 353; Tuomey, 1858, pp. 268, 275; Harris, 1895b, p. 40
Voluta Defrancii I. Lea, 1833, p. 171, pl. 6, fig. 179 [yg.]; H. C. Lea, 1849, p. 107; Tuomey, 1858, p. 268; Harris, 1895b, p. 15 = *V. sayana* Conrad
Voluta gracilis I. Lea, 1833, p. 172, pl. 6, fig. 180; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 21 (= young *V. sayana* Conrad)
Volutilithes sayana (Conrad), Conrad, 1854, p. 31; Conrad, 1857c, p. 141, pl. 19, fig. 6; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16 not Conrad, 1857, p. 162, pl. 19, fig. 6 as *Volutalithes* [*sic*]; Dall, 1890, pp. 69, 75; Whitfield, 1892, p. 212, pl. 30, figs. 11-15; Cossmann, 1893, p. 37; Scott, 1898, pl. 11, fig. 4; Cossmann, 1899b, p. 137; Scott, 1907, pl. 16, fig. 4; Davies, 1935, p. 310 not upper Eocene
Voluta Sayana Conrad, de Gregorio, 1890, p. 64, pl. 5, fig. 5 copy Conrad, figs. 1, 2 var. *ipnotica* de Gregorio, figs. 3, 4 var. *mica* de Gregorio
Voluta petrosa var. *Defrancii* I. Lea, de Gregorio, 1890, p. 64, pl. 4, fig. 52, fig. 61 copy Lea
Voluta petrosa gracilis I. Lea ?, de Gregorio, 1890, p. 64, pl. 4, figs. 54, 55, fig. 56 copy Lea
Voluta teplica de Gregorio ?, 1890, p. 65, pl. 5, fig. 7
Voluta petrosa mitis de Gregorio ?, 1890, p. 64, pl. 4, figs. 57, 58
Volutilithes sayanus (Conrad), Heilprin, 1891a, p. 397; Cossmann, 1893, p. 39; Cossmann, 1899b, p. 137; B. Smith, 1906, p. 66, figs. 5, 6
Athleta sayana (Conrad), B. Smith, 1907b, p. 238, figs. 5, 8; Palmer, 1937, p. 376, pl. 60, figs. 5-10, figs. 1-4 [as *A. sayana mica* de Gregorio], figs. 5-10; pl. 88, fig. 6 type *Voluta gracilis* I. Lea; Brann and Kent, 1960, pp. 101, 102; Fisher, Rodda, and Dietrich, 1964, p. 59
Athleta (*Volutispina* [*sic*]) *sayana* (Conrad), Glibert, 1960a, p. 52

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 9 specimens, No. 14414 ANSP, Moore, 1962, p. 94; No. 14413 ANSP probably "cancellated" specimen, Conrad, 1835a. Holotype *V. gracilis* Lea No. 5882 ANSP. Lectotype *V. Defrancii* I. Lea No. 5879 ANSP. Holotype *Voluta teplica* de Gregorio, No. 26437 PRI De Gregorio Coll. Holotype *V. Sayana* var. *mica* de Gregorio, No. 26432 PRI De Gregorio Coll. Holotype *V. Sayana* var. *ipnotica* de Gregorio, No. 26426 PRI De Gregorio Coll.

Athleta symmetricus (Conrad) **Volutidae**

Volutalithes [*sic*] *symmetrica* Conrad *in* Wailes, 1854, p. 289, pl. 15, fig. 6 (reprint, 1939, p. 19, pl. 2, fig. 6); Conrad, 1856a, p. 260 (reprint, 1939, p. 6)

Volutalithes [*sic*] *dumosa* Conrad *in* Wailes, 1854, p. 289, pl. 16 [17], fig. 1 (reprint, 1939, p. 19, pl. 3, fig. 1); Conrad, 1865a, p. 23 *Volutilithes*

Volutilithes symmetrica Conrad, Conrad, 1865a, p. 24; Conrad, 1866a, p. 25; Cossmann, 1895b, p. 137

Athleta petrosa (Conrad), Palmer, 1937, p. 372 in part, pl. 58, figs. 1, 9, 10, 14 only; Harris and Palmer, 1947, p. 391 in part, pl. 53, figs. 1-4 Jackson Eocene only; Wilbert, 1953, p. 124, pl. 2, fig. 12; Brann and Kent, 1960, pp. 100, 101 in part Nos. 3175-3177; 4745-4748 only

Volutospina symmetrica (Conrad), Gardner, 1945, p. 226, pl. 22, fig. 8; pl. 23, figs. 7, 10 holotype

Athleta (Volutispina [*sic*]*) petrosa* Conrad, Glibert, 1960a, p. 52 in part Jackson Eocene

Athleta petrosa symmetrica (Conrad), Fisher, Rodda, and Dietrich, 1964, p. 47, pl. 10, figs. 1-5 see for complete synonymy

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). For further localities in Miss., La., Texas and Ark. see Harris and Palmer, 1947 and Fisher, Rodda, and Dietrich, 1964

Types.—Holotype, No. 13207 ANSP Moore, 1962, p. 100. Type *Volutilithes dumosa* Conrad missing *fide* Moore, 1962, p. 56

Cf. **Athleta triplicatus** (Meyer) **Volutidae**

Odontopolys triplicata Meyer, 1887a, p. 7, pl. 1, fig. 6; Harris, 1895a, p. 75; Palmer, 1937, p. 273; Harris and Palmer, 1947, p. 345. Equals a young volute and does not belong to *Odontopolys fide* Harris and Palmer, 1947, p. 345. It may be young of a described species.

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638876 USNM

Athleta tuomeyi Conrad **Volutidae**

Athleta tuomeyi Conrad, 1853c, p. 449; Conrad, 1860, pl. 47, fig. 35; Conrad, 1866a, p. 16; Smith and Johnson, 1887, p. 40; Fisher, Rodda, and Dietrich, 1964, p. 49, pl. 8, figs. 5, 6; pl. 9, figs. 5-9 see for complete synonymy

Voluta Tuomeyi (Conrad), Tuomey, 1858, pp. 268, 270

Volutilithes (Athleta) Tuomeyi Conrad, Conrad, 1860, p. 298, pl. 47, fig. 35 as *(Athlaeta)*; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Aldrich, 1886, p. 58; Dall, 1890, p. 75; Clark, 1895, p. 4; Clark, 1896, p. 65, pl. 10, figs. 1a, 1b; Cossmann, 1899b, p. 141, pl. 5, fig. 5

Voluta (Athleta) Tuomeyi Conrad, de Gregorio, 1890, p. 70, pl. 5, fig. 22 copy Conrad not fig. 23 as in text

Volutilithes petrosus (Conrad), Harris, 1899a, p. 33 in part, pl. 4, fig. 1; Brann and Kent, 1960, p. 977. Not *A. petrosus* (Conrad), 1833b, p. 29

Volutilithes petrosus tuomeyi (Conrad), Veatch, 1906, pl. 18, fig. 3

Athleta petrosa tuomeyi Conrad, B. Smith, 1907b, p. 231

Plejona petrosa tuomeyi (Conrad), Deussen, 1924, p. 67, pl. 15, figs. 6, 6a
Plejona tuomeyi (Conrad), Cooke, 1926a, pl. 94, fig. 4; Semmes, 1929, fig. 59-4
Volutocorbis petrosa tuomeyi (Conrad), Trowbridge, 1932, pl. 38, figs. 1, 2 copies Deussen
Volutilithes tuomeyi (Conrad), Davies, 1935, p. 301
Athleta petrosa (Conrad), Palmer, 1937, p. 372 in part, pl. 58, figs. 11-13 only; LeBlanc, 1942^{+}, p. 137 in part, pl. 17, figs. 5-11; Brann and Kent, 1960, pp. 100, 101 in part Nos. 3183-3185 only. Not *A. petrosus* (Conrad), 1833b, p. 29

Range.—Cf. Paleocene. Cf. Aquia fm. Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr. See Fisher, Rodda, and Dietrich, for complete range
Localities.—ALA.: *Clarke Co.*, Bashi Creek (type). For complete occurrence see Fisher, Rodda, and Dietrich, 1964, p. 52
Type.—Lectotype, No. 5883 ANSP, Moore, 1962, p. 105

Cf. Athleta tuomeyi Conrad **Volutidae**

Volutilithes (Athleta) tuomeyi Conrad, Clark, 1895, p. 4; Clark, 1896, p. 65, pl. 10, figs. 1a, 1b
Volutilithes petrosus (Conrad), Clark and Martin, 1901, p. 130, pl. 21, figs. 4, 5, 5a
Volutocorbis petrosus (Conrad), Shimer and Shrock, 1944, p. 508, pl. 209, figs. 3-5 copies Clark and Martin

Range.—Lower Eocene. Nanjemoy fm.
Localities.—VA.: *King George Co.*, Potomac Cr. MD.: *Prince Georges Co.*, Pomonkey Neck. For further localities see Clark and Martin, 1901
Types.—Figured specimens (figs. 5, 5a), USNM; fig. 4 presumably USNM

Athleta wheelockensis (Cossmann) **Volutidae**

Volutilithes precursor Dall, Aug. 1890, p. 84, pl. 6, fig. 1; Heilprin, 1891a, p. 397; Cossmann, 1899b, p. 137 as *praecursor;* Schuchert, *et al.*, 1905, p. 697; B. Smith, 1907b, p. 230. Not *V. praecursor* Bellardi *in* Sacco, 1890a, p. 16 [Jan. *fide* Cossmann, 1899b, p. 140]
Volutilithes wheelockensis Cossmann, 1899b, p. 137 new name
Athleta wheelockensis (Cossmann), Palmer, 1937, p. 380, pl. 59, figs. 6, 7, fig. 12 copy Dall; Brann and Kent, 1960, p. 102
Volutocorbis wheelockensis (Cossmann), Gardner, 1945, p. 223, pl. 23, fig. 2 holotype
Athleta (Neoathleta) wheelockensis (Cossmann), Glibert, 1960a, p. 56

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Robertson Co.*, ½ mi. E. from Wheelock (type). LA.: exact locality unknown (Palmer, 1937)
Type.—Holotype, No. 11865 USNM

Athleta wheelockensis forma **bastropensis** (F. B. Plummer) **Volutidae**

Plejona (Volutocorbis) wheelockensis bastropensis F. B. Plummer, 1933, p. 813, pl. 9, fig. 16
Athleta wheelockensis bastropensis (F. B. Plummer), Palmer, 1937, p. 381, pl. 59, figs. 3, 4; fig. 8 copy Plummer; Brann and Kent, 1960, p. 102; Fisher, Rodda, and Dietrich, 1964, pp. 53, 54 intermediate form

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Stone City beds, middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R., just N. of bridge Smithville (type); *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.

Type.—Holotype, No. 21514 BEG

Athleta wheelockensis forma **sabinensis** (F. B. Plummer) **Volutidae**

Plejona (Volutocorbis) wheelockensis sabinensis F. B. Plummer, 1933, p. 813, pl. 9, figs. 20, 21

Athleta wheelockensis sabinensis (F. B. Plummer), Palmer, 1937, p. 381, pl. 59, figs. 10, 13 copies Plummer; Fisher, Rodda, and Dietrich, 1964, pp. 53, 54 intermediate form

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Sabine Co.*, Sabine R., 2 mi. W. of Columbus, Sabine Par., La. (type). LA.: *Brossier Par.*, Roberta

Types.—Syntypes, No. 21517 BEG (fig. 20), fig. 21 missing 1964

Athleta sp. **Volutidae**

Plejona cf. *P. petrosa* (Conrad), Kellum, 1926, p. 31, pl. 6, fig. 3. No Conrad, 1833b, p. 29

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington

Type.—Figured specimen, No. 353277 USNM

Athleta sp. **Volutidae**

Volutilithes mutatus ? (Deshayes), Conrad, 1866a, p. 16 Eocene N. Jer. Not *Voluta mutata* Deshayes, 1824, p. 682, pl. 92, figs. 1, 2 = *Athleta*

This reference is only included for completeness.

Cf. **Athleta** sp. **Volutidae**

Volutilithes spinosa [Linné], "Lamarck", Dall, 1890, p. 74, pl. 6, fig. 3; Schuchert, *et al.*, 1905, p. 697. Not Lamarck, 1802, p. 477 [*Volutospina spinosa* (Linné), 1758, p. 715 as *Conus*]

Range.—Upper Eocene. Barnwell fm., Jackson gr.

Locality.—GA.: *Burke Co.*, Shell Bluff, Savannah R.

Type.—Figured specimen, No. 112198 USNM

Athleta sp. **Volutidae**

Volutilithes sp. Clark, 1895, p. 4; Clark, 1896, p. 65, pl. 10, figs. 2a, 2b; Clark and Martin, 1901, p. 131, pl. 21, figs. 6, 6a copy Clark, 1896

Range.—Paleocene. Aquia fm.
Locality.—VA.: *Stafford Co.*, Aquia Cr.
Type.—Figured specimen presumably USNM

Atilia elevata (I. Lea)
See *Mitrella (Columbellopsis) elevata* (I. Lea)

Atilia turricula (Whitfield)
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Atlanta eocenica Palmer **Atlantidae**

Atlanta eocenica Palmer, 1937, p. 474, pl. 75, figs. 4-6; Brann and Kent, 1960, p. 105

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry, [Stone City Bluff], Brazos R. (type)
Type.—Holotype, No. 3383 PRI

"Atys" atysopsis (Harris) **Atyidae**

Cylichnella atysopsis Harris, 1895a, p. 54, pl. 3, figs. 9, 9a
"Volvula minutissima" Gabb specimen in coll. ANSP *fide* Harris, 1895a. Not *V. minutissima* Gabb, 1860d, p. 386
"Atys" atysopsis (Harris), Palmer, 1937, p. 489, pl. 75, fig. 24 holotype; pl. 90, fig. 20 (*"Volvula minutissima"* Gabb not Gabb, 1860d)

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., near iron bridge, on Moseley's Ferry road (type)
Types.—Syntypes, No. 35627 BEG (fig. 9); No. 13267 ANSP labeled "*Volvula minutissima* Gabb" not Gabb, 1860d

"Atys" claibornensis (Aldrich) **Atyidae**

Retusa claibornensis Aldrich, 1911, p. 9, pl. 2, fig. 7
"Atys" claibornensis (Aldrich), Palmer, 1937, p. 490, pl. 75, fig. 20 copy Aldrich

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, not USNM 1964 or Alabama Mus. Nat. Hist., University, Ala., 1937

Atys ( ) meyeri (Aldrich) **Atyidae**

Cylichna meyeri Aldrich, 1895b, p. 6, pl. 2, fig. 5; Harris, 1896, p. 75 pl. 7, fig. 6; Brann and Kent, 1960, p. 300
Atys meyeri (Aldrich), Gardner, 1935, p. 209

Cossmann, 1893 (p. 49) named *Volvuvella meyeri.* Aldrich's *Cylichna meyeri* (1895) is not preoccupied as a primary homonym. However Cossmann's *V. meyeri* is moved to *Mnestia meyeri.* According to Zilch (1959, p. 25) *Mnestia* is a subgenus of *Cylichna.* This would, therefore, make *Mnestia meyeri* (Cossmann) preoccupied by the original name *Cylichna meyeri* Aldrich. Because we do not want to make a new name at this time to satisfy such homonymy before the groups are worked out, we are not following Zilch but are retaining *Mnestia* as a genus.

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E. (type); 1 mi. W. of Oak Hill P.O.
Type.—Holotype, No. 638929 USNM

Atys oviformis (Meyer)
See *Abderospira oviformis* (Meyer)

Atys robustoides Aldrich **Atyidae**

Atys robustoides Aldrich, 1895b, p. 6, pl. 2, figs. 4, 4a; Harris, 1899a, p. 8, pl. 1, fig. 11 copy Aldrich
Not *Atys robustoides* ? Aldrich, Harris, 1896, p. 74, pl. 7, fig. 5. Not Brann and Kent, 1960, p. 109 = *Atys* sp.

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 638928 USNM

Atys robustoides ? Aldrich, Harris, 1896
See *Atys* sp.

"Atys" salina Dall **Atyidae**

Atys (Acrostemma) salina Dall, 1896b, p. 29; Dall, 1903a, pl. 59, fig. 14; Schuchert, *et al.*, 1905, p. 77
"Atys" salina Dall, Palmer, 1937, p. 488, pl. 75, figs. 14-17 "syntypes"

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, head of Salina Bayou, St. Maurice (type)
Types.—Holotype (fig'd.) and paratype (see Palmer, 1937, pl. 75, figs. 14-17 as syntypes), No. 106971 USNM

Atys (Aliculastrum) sp. **Atyidae**

Atys (Aliculastrum) sp. Gardner, 1935, p. 209

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Milam Co.*, USGS Sta. 11916, Brazos R., 1 mi. below Falls Co. line
Type.—Figured specimen, No. 370984 USNM

Atys sp. **Atyidae**

Atys robustoides ? Aldrich, Harris, 1896, p. 74, pl. 7, fig. 5; Brann and Kent, 1960, p. 109. Not Aldrich, 1895b, p. 6

Range.—Paleocene. Naheola fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill
Type.—Figured specimen, No. 84 PRI

Awateria retifera (Gabb) **Turridae**

Turris retifera Gabb, 1860d, p. 379, pl. 67, fig. 8 (not fig. 12 as in text)
Awateria retifera (Gabb), Harris, 1937, p. 73, pl. 13, figs. 3, 3a, (4, 5 young ?); Brann and Kent, 1960, pp. 112, 113

Range.—Middle Eocene. Stone City beds, middle Claiborne gr., Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.,; *Robertson Co.*, "near Wheelock" (type Gabb) = Town Branch of Cedar Creek, near Wheelock *fide* Stenzel, Krause, and Twining, 1957, p. 11
Type.—Not found [*fide* Harris, 1937, p. 73]

Babylonella alveata (Conrad)
See *Sveltia alveata* (Conrad)

Babylonella costata (I. Lea)
See *Trigonostoma gemmatum* (Conrad)

Babylonella elevata (I. Lea)
See *Bonellitia (Babylonella) elevata* (I. Lea)

Babylonella gemmata (Conrad)
See *Trigonostoma gemmatum* (Conrad)

Babylonella impressa Conrad
See *Trigonostoma gemmatum* (Conrad)

Babylonella multiplicata (I. Lea)
See *Trigonostoma gemmatum* (Conrad)

Babylonella plicata (I. Lea)
See *Trigonostoma gemmatum* (Conrad)

Balcis aciculata (I. Lea) **Eulimidae**

Pasithea aciculata I. Lea, 1833, p. 102, pl. 4, fig. 82; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 2

? *Pasithea minima* H. C. Lea, 1841, p. 92, pl. 1, fig. 1; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 28 [small *Eulima*]

Eulima aciculata (I. Lea), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14; de Gregorio, 1890, p. 161, pl. 16, figs. 1, 2 copy I. Lea, 3 copy *minina* H. C. Lea, not fig. 4; Cossmann, 1893, p. 24, pl. 2, fig. 2; Cossmann, 1921b, p. 198 subgenus *Subularia*. Not *Eulima aciculata* Pease, 1860, p. 438; not Meyer, 1887b, p. 54, pl. 3, fig. 5 = *Eulima jacksonensis* de Gregorio, 1890, p. 161, pl. 16, fig. 4

Melanella aciculata (I. Lea), Palmer, 1937, p. 63, pl. 6, figs. 18, 19; pl. 78, fig. 8 type *Pasithea minima* H. C. Lea; Brann and Kent, 1960, p. 539; Glibert, 1962b, p. 257

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype *P. aciculata* I. Lea, No. 5499 ANSP [lectotype Palmer not necessary]. Holotype, *Pasithea minima* H. C. Lea, lost

Balcis claibornia (Palmer) **Eulimidae**

Melanella claibornia Palmer, 1937, p. 62, pl. 6, figs. 10, 11; Brann and Kent, 1960, pp. 539, 540

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Syntypes, Nos. 2690, 2691 PRI

Balcis exilis (Gabb) **Eulimidae**

Eulima exilis Gabb, 1860d, p. 385, pl. 67, fig. 43; Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; Heilprin, 1891a, p. 400; Meyer, 1885a, p. 464; not *Eulima exilis* Harris, 1899a, p. 96, pl. 12, fig. 12 = *B. wheeleri* (Palmer)

Melanella exilis (Gabb), Palmer, 1937, p. 64, in part, p. 6, fig. 6; pl. 78, fig. 21 Gabb type; Brann and Kent, 1960, p. 540 in part

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Localities.—TEXAS: "Caldwell Co." (type, Gabb) = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11). Cf. S. C., TEXAS, LA. localities, Palmer, 1937, p. 64 see *Balcis* spp.
Type.—Holotype, No. 13276 ANSP

Balcis notata (I. Lea) **Eulimidae**

Pasithea notata I. Lea, 1833, p. 101, pl. 4, fig. 80; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 30
Cf. *Pasithea lugubris* I. Lea, 1833, p. 101, pl. 4, fig. 81; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 26
Pyramis notata (I. Lea), Conrad, App. *in* Morton, 1834, p. 4
Eulima notata (I. Lea), Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; de Gregorio, 1890, p. 162, pl. 16, fig. 6 copy I. Lea
Cf. *Eulima lugubris* (I. Lea), Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; Meyer, 1887b, p. 54, pl. 3, fig. 8; de Gregorio, 1890, p. 161, pl. 16, fig. 5a copy Meyer, fig. 5b copy I. Lea; Cossmann, 1893, p. 24, pl. 2, fig. 3; Cossmann, 1921b, p. 193
? *Turbonilla lugubris* (I. Lea), Dall, 1892, p. 255
Not *Rissoina notata* (I. Lea), Cossmann, 1893, p. 27, pl. 1, fig. 34 = *Eulima cossmanni* Aldrich, 1910b
Not *Rissoina (Leaella) notata* (I. Lea), Cossmann, 1921b, p. 91, pl. 3, figs. 59, 60 = *Eulima cossmanni* Aldrich, 1910b
Melanella notata (I. Lea), Palmer, 1937, p. 61, pl. 6, figs. 20, 26-30; pl. 79, fig. 1 type, fig. 2 type *Pasithea lugubris* I. Lea; Brann and Kent, 1960, p. 541; Glibert, 1962b, p. 257

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype *P. notata* I. Lea, No. 5495 ANSP. Holotype *P. lugubris* I. Lea, No. 5497 ANSP

Balcis tenua (Gabb) **Eulimidae**

Eulima tenua Gabb, 1860d, p. 386, pl. 67, fig. 45; Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; Heilprin, 1891a, p. 400
Eulimella tenua (Gabb), Harris, 1899a, p. 97 in part, not pl. 12, fig. 16 = *Turbonilla sabina* Palmer
Melanella tenua (Gabb), Palmer, 1937, p. 64, pl. 78, fig. 20

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *"Caldwell Co."* (type, Gabb) = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11)
Type.—Holotype, No. 13277 ANSP

Balcis wheeleri (Palmer) **Eulimidae**

Eulima exilis Harris, 1899a, p. 96, pl. 12, fig. 12; Brann and Kent, 1960, p. 380. Not *Eulima exilis* Gabb, 1860d, p. 385

Melanella wheeleri Palmer, 1937, p. 64; Le Blanc, 1942^{+}, p. 83, pl. 12, figs. 10, 11

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.
Type.—Holotype, No. 1383 PRI

Balcis spp. **Eulimidae**

Cf. *Melanella exilis* (Gabb), Palmer, 1937, p. 64 in part, pl. 6, figs. 6, 12, 16, 17; Brann and Kent, 1960, p. 540 in part

Range.—Middle Eocene. Viesca mem., Weches fm., middle Claiborne gr.; McBean fm. upper Claiborne gr.; Cook Mt., upper Claiborne gr.
Localities. S. C.: *Orangeburg Co.*, about 3 mi. and about 6 mi. WNW. of Orangeburg. TEXAS: *Bastrop Co.*, Smithville, Colorado R. LA.: *Sabine Par.*, Fisher
Types.—Figured specimens, Nos. 2684, 2685 PRI

Bastropia bastropensis (Harris)
See *Mitrella (Bastropia) bastropensis* (Harris)

Bathytoma congesta refervens (de Gregorio) **Turridae**

Pleurotoma (Dolichotoma) congesta var. *refervens* de Gregorio, 1890, p. 41, pl. 2, figs. 58-61; Harris, 1937, p. 26, pl. 4, figs. 4, 5 copies de Gregorio (fig. 6 = *Bathytoma congesta* Conrad Oligocene included for comparison)

Range.—? Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—? ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Bathytoma (Glyptotoma) conradiana (Aldrich)
See *Glyptotoma conradiana* (Aldrich)

Bathytoma (Glyptotoma) crassiplicata (Gabb)
See *Glyptotoma crassiplicata* (Gabb)

Bathytoma (Glyptotoma) crassiplicata montgomeryensis Harris
See *Glyptotoma crassiplicata montgomeryensis* Harris

Bathytoma (Glyptotoma) fisherana Harris
See *Glyptotoma fisherana* Harris

Bathytoma marieana Aldrich **Turridae**

Pleurotoma (Bathytoma) marieana Aldrich, 1911, p. 6, pl. 2, fig. 3; pl. 3, fig. 1

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville (type)
Types.—Syntypes, Nos. 639120, 639121 USNM

Bathytoma nonplicata Harris **Turridae**

Bathytoma nonplicata Harris, 1937, p. 23, pl. 3, figs. 25, 25a; Brann and Kent, 1960, p. 118

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated, see Veatch Survey, 1902, pp. 129, 130)

Types.—Holotype, No. 2408a; paratype, No. 2408b PRI

Bathytoma (Glyptotoma) parvula Casey
See *Glyptotoma parvula* Casey

Batillaria advena Palmer **Cerithiidae**

Batillaria advena Palmer *in* Richards and Palmer, 1953, p. 16, pl. 2, figs. 4, 5

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of Gulf Hammock just SW. State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)

Types.—Holotype, No. I-7405; paratype, No. I-7406 Fla. Geol. Sur.

Bayania claibornensis (Heilprin) **Pseudomelaniidae**

Melania claibornensis Heilprin, 1879a, p. 214, pl. 13, fig. 11; Heilprin, 1879b, p. 225; White, 1883, p. 460, pl. 28, fig. 15; de Gregorio, 1890, p. 132; Dall, 1892, p. 276; Henderson, 1935, pp. 17, 38, 208

Chemnitzia claibornensis (Heilprin), Meyer, 1886b, p. 70

Turbonilla ? claibornensis (Heilprin), de Gregorio, 1890, p. 159

Not *Bayania claibornensis* (Heilprin), Cossmann, 1893, p. 28 = *Pasitheola claibornensis* (I. Lea)

Bayania claibornensis (Heilprin), Cossmann, 1909b, p. 99; Palmer, 1937, p. 184, pl. 21, fig. 17 copy Heilprin

Range.—Middle Eocene. Gosport sd. type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 10070/1, Cat. No. 5551/1 AMNH

Bayania claibornensis (I. Lea), Cossmann, 1893
See *Pasitheola claibornensis* (I. Lea)

"Bayania" secale (I. Lea) **Pseudomelaniidae**

Pasithea secale I. Lea, 1833, p. 100, pl. 4, fig. 79; H. C. Lea, 1849, p. 103; de Gregorio, 1890, p. 163, pl. 16, figs. 11, 12, fig. 13 copy I. Lea; Harris, 1895b, p. 40

Eulima secale (I. Lea), Conrad, 1865a, p. 29; Conrad, 1866a, p. 14

Turbonilla secale (I. Lea), Dall, 1892, p. 255 not *Turbinella* as in Palmer, 1937

Bayania secalis (I. Lea), Cossmann, 1893, p. 28, pl. 2, fig. 6

"*Bayania*" *secale* (I. Lea), Palmer, 1937, p. 184, pl. 21, figs. 18-20, 24; pl. 82, fig. 7 type; Brann and Kent, 1960, p. 119; Glibert, 1962a, p. 95

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5493 ANSP. Not lectotype No. 5635 ANSP, Palmer, 1937, p. 184 = *Planaria nitens* I. Lea

Bellatara americana Palmer
See *Dirocerithium americanum* (Palmer)

"Bellatara" citrana Palmer **Cerithiidae**

Bellatara citrana Palmer *in* Richards and Palmer, 1953, p. 18, pl. 2, fig. 8; Woodring, 1959, p. 175 not "*Bellatara*"

Range.—Middle Eocene. Avon Park ls., upper Claiborne gr. Upper Eocene. Inglis fm. (type), lower Ocala gr.

Localities.—FLA.: *Citrus Co.*, pit of Dunnellon Phosphate Mining Co., SW. ¼ SE. ¼ sec. 10, T. 18 S., R. 19 E. (type); *Levy Co.*, NW. ¼ SW. ¼ sec. 14, T. 14 S., R. 15 E.; New Lebanon dolomite pit SW. ¼ NE. ¼ sec. 12, T. 16 S., R. 16 E.

Types.—Holotype, No. I-7412; paratypes, Nos. I-7411, I-7413 (all plastotypes) Fla. Geol. Sur.

"Bellatara" floridana Palmer **Cerithiidae**

Bellatara floridana Palmer *in* Richards and Palmer, 1953, p. 19, pl. 2, figs. 10, 11, 13; Woodring, 1959, p. 175 not "*Bellatara*"

Range.—Middle Eocene. Avon Park ls., upper Claiborne gr. Upper Eocene. Inglis fm. (type), lower Ocala gr.

Localities.—FLA.: *Levy Co.*, ⅛ mi. below Florida Power Corp. Plant, Inglis, on right bank Withlacoochee R. in SE. ¼ NW. ¼ sec. 3, T. 17 S., R. 16 E. (type); New Lebanon dolomite pit SW. ¼ NE. ¼ sec. 12, T. 16 S., R. 16 E.

Types.—Holotype, No. I-7414 (plastotype); paratype, Nos. I-7415-I-7417 Fla. Geol. Sur.

Bellatara wechesensis (Stenzel)
See *Dirocerithium wechesense* Stenzel *in* Woodring

Bifidoscala planulata (I. Lea)
See *Rudiscala sessilis* (Conrad)

"Bittiolum" webbi (Harris) **Cerithiidae**

Cerithium webbi Harris, 1895a, p. 79, pl. 9, fig. 3; Trowbridge, 1932, pl. 42, fig. 5; Gardner, 1945, p. 175

"*Bittiolum*" *webbi* (Harris), Palmer, 1937, p. 220, pl. 28, fig. 4 type

Range.—Middle Eocene. Laredo fm. (type), upper Claiborne gr.

Locality.—TEXAS: *Webb Co.*, Rio Grande, 13 mi. by river below Laredo, or 9 mi by river above the Webb-Zapata county line (type)

Type.—Holotype, No. 35652 BEG

Bittium (Stylidium) anita Aldrich **Cerithiidae**

Bittium (Stylidium) anita Aldrich, 1911, p. 7, pl. 2, fig. 6; Le Blanc, 1942+, p. 107

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.

Type.—Holotype, missing USNM, 1964

Bittium (Stylidium) elegans (H. C. Lea) **Cerithiidae**

Pasithea elegans H. C. Lea, 1841, p. 93, pl. 1, fig. 3; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 18

Pyramis elegans (H. C. Lea), de Gregorio, 1890, p. 160, pl. 15, fig. 38 copy H. C. Lea

Turbonilla elegans (H. C. Lea), Dall, 1892, p. 255

Acirsella elegans (H. C. Lea), Cossmann, 1893, p. 25, pl. 2, fig. 7

Bittium elegans (H. C. Lea), Aldrich, 1910b, p. 75 specimens examined and generic determination by Bartsch

Acirsa (Acirsella) elegans (H. C. Lea), Price and Palmer, 1928, p. 31, pl. 7, fig. 4; Brann and Kent, 1960, p. 21

Bittium (Stylidium) elegans (H. C. Lea), Palmer, 1937, p. 219, pl. 27, figs. 1, 2; pl. 83, fig. 8 [not 18 as in text] type; Brann and Kent, 1960, pp. 121, 122

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Lectotype, No. 13168 ANSP

Bittium (Bittium) estellense (Aldrich) **Cerithiidae**

Cerithiopsis estellensis Aldrich, 1921, p. 15, pl. 2, fig. 11 (not fig. 10 as in text)

Bittium (Bittium) estellensis (Aldrich), Gardner, 1935, p. 274, pl. 24, figs. 12, 13

Range.—Paleocene. Kincaid fm., lower Midway gr.; Sucarnoochee cl. (type) = Porters Creek fm., upper Midway gr.; Wills Point fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, near Estella (type). TEXAS: *Milam* and *Bastrop Cos.*, see Gardner, 1935, p. 275

Type.—Holotype, No. 7 GSATC

Bittium (Stylidium) henryleai Palmer **Cerithiidae**

Acirsa (Acirsella) henryleai Palmer *in* Price and Palmer, 1928, p. 29, pl. 7, figs. 3, 9, 10; Brann and Kent, 1960, p. 21

Bittium (Stylidium) henryleai (Palmer), Palmer, 1937, p. 220, pl. 27, figs. 3, 4, 6 types; Brann and Kent, 1960, p. 122

Range.—Middle Eocene. Queen City fm. (type), lower Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, mouth of Gazley Cr., Colorado R., Smithville (type)

Types.—Holotype, No. 350; paratypes, Nos. 354, 355 PRI

Bittium koeneni Meyer **Cerithiidae**

Bittium Koeneni Meyer, 1886b, p. 70, pl. 2, fig. 12; Dall, 1892, pp. 275, 276; Cossmann, 1893, p. 30; Palmer, 1937, p. 185; Harris and Palmer, 1947, p. 301, pl. 39, figs. 7, 8, fig. 9 copy Meyer; Brann and Kent, 1960, p. 122

Aneurychilus (Alabina) Koeneni (Meyer), Cossmann, 1906b, p. 181

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr. Possible Oligocene.

Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type); *Wayne Co.*, Red Bluff [?]

Type.—Holotype, No. 644588 USNM

Bolis enterogramma (Gabb) **Buccinidae ?**

Neptunea enterogramma Gabb, 1860d, p. 378, pl. 67, fig. 14; not Aldrich, 1886, pp. 24, 47, pl. 3, fig. 5; de Gregorio, 1890, p. 83 *Fusus;* Deussen, 1914, p. 58; Dumble, 1920, p. 94; Renick and Stenzel, 1931, p. 102; F. B. Plummer, 1933, p. 663

Natica (Euspira) enterogramma (Gabb), de Gregorio, 1890, p. 153 in part, not pl. 15, fig. 8 copy Aldrich = *B. lisboa;* Dall, 1892, p. 376 questions de Gregorio's generic determination

Clavella ? enterogramma (Gabb), Heilprin, 1891a, p. 395; Cossmann, 1901b, p. 20

Clavilithes enterogramma (Gabb), Cossmann, 1893, p. 36

Sycostoma enterogramma (Gabb), Palmer, 1937, p. 323 in part, pl. 46, figs. 5, 8 only, not fig. 2 = *Bolis lisboa* Gardner; Brann and Kent, 1960, p. 831; not Glibert, 1963b, p. 94 Lisbon

Bolis enterogramma (Gabb), Gardner, 1939a, p. 36, pl. 8, fig. 10

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Robertson Co.*, "Wheelock" (Gabb, type) probably Cedar Cr. near Wheelock, Robertson Co. (*fide* Stenzel, Krause, and Twining, 1957, p. 11); big branch Cedar Cr. E. of Mr. Pollard's (deceased) farm 3 mi. NW. of Stone City; *Bastrop Co.;* Smithville, S. bank Colorado R.; *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. See Gardner, 1939a for additional Texas localities. ALA.: *Monroe Co.*, Lisbon Bluff, W. bank Alabama R., 6½ mi. above Claiborne

Type.—Not found [*fide* Palmer, 1937, p. 324]

Bolis lisboa Gardner **Buccinidae ?**

Neptunea enterogramma Gabb, Aldrich, 1886, p. 24 in part, p. 47, pl. 3, fig. 5; Aldrich, 1894, p. 233. Not *N. enterogramma* Gabb, 1860d, p. 378

Natica (Euspira) enterogramma (Gabb) de Gregorio, 1890, p. 153 in part, pl. 15, fig. 8 copy Aldrich

Sycostoma enterogramma (Gabb), Palmer, 1937, p. 323 in part, not pl. 46, fig. 2; Glibert, 1963b, p. 94 Lisbon

Bolis lisboa Gardner, 1939a, p. 36, pl. 8, figs. 8, 9, 11, 12; Shimer and Shrock, 1944, p. 503, pl. 207, figs. 15, 16 copies Gardner, 1939a

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, USGS sta. 13433, bed 4 of C. W. Cooke's section, Lisbon Bluff, Alabama R. (type); Lisbon Bluff, W. bank Alabama R., 6½ mi. above Claiborne

Types.—Holotype, No. 494980; paratype, No. 494981 USNM

Cf. Bolis sp. **Buccinidae ?**

Pyrula sp. Clark and Martin, 1901, p. 142, pl. 24, fig. 5 [not *Pyrula*]

Range.—Lower Eocene. Nanjemoy fm.

Locality.—MD.: *Charles Co.*, Popes Creek

Type.—Figured specimen, USNM

Bonellitia alvaniopsis (Harris) *in* Cossmann

See *Cancellaria alvaniopsis* Harris *in* Cossmann *nomen nudum*

Bonellitia annosa (Aldrich) **Cancellariidae**

Cancellaria annosa Aldrich, 1898, p. 97; Aldrich, 1903, p. 98, pl. 3, fig. 3 [yg.]

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type)

Type.—Holotype, No. 639007 USNM

Bonellitia bastropensis (Harris) **Cancellariidae**

Cancellaria bastropensis Harris, 1895a, p. 66, pl. 6, fig. 5

Bonellitia bastropensis (Harris), Palmer, 1937, p. 453, pl. 73, fig. 23, holotype, figs. 27, 28; Brann and Kent, 1960, p. 124

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 35625 BEG

Bonellitia (Babylonella) elevata (I. Lea) **Cancellariidae**

Cancellaria elevata I. Lea, 1833, p. 141, pl. 5, fig. 139; H. C. Lea, 1849, p. 97; Crosse, 1861, p. 225; Conrad, 1865a, p. 32 *Babylonella;* Conrad, 1866a, p. 12; Cossmann, 1889a, p. 231 sec. *Babylonella;* de Gregorio, 1890, p. 47, pl. 3, fig. 17 copy I. Lea; Harris, 1895b, p. 13

Babylonella elevata (I. Lea), Cossmann, 1893, p. 41; Wenz, 1943, p. 1370, fig. 3877 copy Cossmann, 1899b

Admete (Babylonella) elevata (I. Lea), Cossmann, 1899b, p. 35, pl. 2, fig. 8

Bonellitia elevata (I. Lea), Palmer, 1937, p. 450, pl. 90, fig. 4 type section *Babylonella* Conrad

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type) uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Clarke Co.*, Wautubbee

Type.—Holotype, No. 5729 ANSP

Bonellitia garvani Palmer **Cancellariidae**

Bonellitia garvani Palmer, 1937, p. 452, pl. 69, figs. 1-3; Brann and Kent, 1960, pp. 124, 125

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, about 8 mi. W. of Enterprise; Wautubbee (type localities). S.C.: *Orangeburg Co.*, Orangeburg district
Types.—Syntypes, Nos. 3294, 3295 PRI

Bonellitia graciloides (Aldrich) **Cancellariidae**

Cancellaria graciloides Aldrich, 1898, p. 98; Harris, 1899a, p. 28, pl. 3, fig. 11 Aldrich drawing type; Shimer and Shrock, 1944, p. 514 in part Gulf Coast Eocene only, not pl. 211, fig. 23 (= *B.* n. sp.) as *gracilioides* [*sic*]
Bonellitia graciloides (Aldrich), Palmer, 1937, p. 454

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 639008 USNM

Bonellitia graciloides bella (Aldrich) **Cancellariidae**

Cancellaria graciloides var. *bella* Aldrich, 1898, p. 98; Harris, 1899a, p. 29, pl. 3, fig. 10 "Aldrich's figure"
Bonellitia graciloides bella (Aldrich) Palmer, 1937, p. 454

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 639009 USNM

Bonellitia jacksonica (Cooke) **Cancellariidae**

Cancellaria jacksonica Cooke, 1926b, p. 134, fig. 4
Bonellitia jacksonica (Cooke), Harris and Palmer, 1947, p. 412, pl. 63, figs. 2, 3, 8 copy Cooke, fig. 16; Brann and Kent, 1960, p. 125

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson, Moodys Branch (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.; *Caldwell Par.*, little stream ½-1 mi. back of Bunker Hill
Type.—Holotype, No. 353940 USNM

Bonellitia parilis Palmer **Cancellariidae**

Bonellitia parilis Palmer, 1937, p. 453, pl. 70, figs. 21-25; Brann and Kent, 1960, p. 125; Glibert, 1960a, p. 81

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; (type); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City
Types.—Syntypes, Nos. 3316, 3317, 3318, 3319 PRI

Bonellitia penrosei (Harris)
See *Trigonostoma penrosei* (Harris)

Cf. Bonellitia rudis (Whitfield) **Cancellariidae**

Cancellaria rudis Whitfield, 1892, p. 214, pl. 33, figs. 1, 2; Whitfield, 1899, p. 168

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Type.—Holotype, not found Rutgers, 1965

Bonellitia silvaerupis (Harris) **Cancellariidae**

Cancellaria silvaerupis Harris, 1897a, p. 476, pl. 20, fig. 11 *sylvaerupis;* Harris, 1899a, p. 25, pl. 3, fig. 5 type *sylvaerupis*

Cancellaria sylvaerupis Harris, Wrigley, 1935, p. 360

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 6680 ANSP

Bonellitia tortiplica ? (Conrad) **Cancellariidae**

Cancellaria tortiplica Conrad, 1865a, p. 32 in subg. *Babylonella*; Conrad, 1865c, p. 145; Conrad, 1865d, p. 211, pl. 20, fig. 8 [not pl. 21 as stated by Conrad]; Conrad, 1866a, p. 13; Heilprin, 1879b, p. 223; de Gregorio, 1890, p. 49 in part, ? vars. *subevulsopsis* pl. 3, fig. 28; *dubia* "Deshayes", pl. 3, figs. 29, 30, not *C. dubia* Deshayes, 1865a, p. 105; Heilprin, 1891a, p. 397; Harris, 1897a, p. 475, pl. 20, fig. 10 lower Eocene

Cancellaria evulsa (Brauder [sic]), Heilprin, 1881, p. 365; Harris, 1899a, p. 26, pl. 3, fig. 7 Ala., lower Eocene. Not *Buccinum evulsum* Brander, 1766, p. 14

Admete tortiplica (Conrad), Cossmann, 1893, p. 42 section *Admetula*

Admete (Bonellitia) tortiplica (Conrad), Cossmann, 1899b, p. 34

Bonellitia tortiplica (Conrad), Palmer, 1937, p. 451 section *Admetula*, pl. 69, figs. 4, 7-9, fig. 5 copy Conrad, 1865d; Brann and Kent, 1960, p. 125

There are probably two forms included under this name. As yet the typical has not been determined definitely.

Range.—Lower Eocene (Ala., Harris). Middle Eocene, see localities. "Vars." de Gregorio, Gosport sd. ? (type ?)

Localities.—MISS.; *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. RR.; Hickory; *Clarke Co.*, Wautubbe. TEXAS: ("Texas" Conrad, type) *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch. 1902, p. 129); *Bastrop Co.*, Smithville, Colorado R. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.

Types.—Possible syntypes, No. 13236 ANSP Moore, 1962, p. 103. Figured specimen Harris, 1897a ANSP. "Vars". *subevulopsis* and *dubia* "Deshayes", de Gregorio, De Gregorio Coll., formerly Univ. Palermo, Palermo, Sicily. Lost.

Bonellitia ulmula (Harris)
See *Coptostoma ulmulum* (Harris)
See also *Coptostoma rameum* Palmer

Bonellitia, n. sp. **Cancellariidae**

Cancellaria graciloides Aldrich "var.", Clark and Martin, 1901, p. 128, pl. 21, fig. 1

Cancellaria gracilioides [*sic*] Aldrich, Shimer and Shrock, 1944, p. 514 in part, pl. 211, fig. 23 copy Clark and Martin. Not *C. graciloides* Aldrich, 1898, p. 98

Range.—Paleocene. Aquia fm.
Locality.—MD: *Charles Co.*, 1 mi. SE. Mason Springs
Type.—Figured specimen, USNM

Borsonia (Scobinella) conradiana Aldrich
See *Glyptotoma conradiana* (Aldrich)

Borsonia ludoviciana Vaughan
See *Cordieria ludoviciana* (Vaughan)

Borsonia plenta (Aldrich and Harris)
See *Turricula (Plentaria) plenta* (Aldrich and Harris)

Borsonia (Zelia) sativa de Gregorio
See *Scobinella sativa* (de Gregorio)

"*Borsonia*" sp.

Borsonia sp. Aldrich, 1895b, p. 9, pl. 1, fig. 18. Too young for identification or description

Range.—Middle Eocene. Gosport sd. uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Specimen unknown

Bovicornu
See Gastrooda Pteropoda Part 1, p. 356

Brachysphingus subglobosus (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Buccimitra amoena (Conrad)
See *Terebrifusus amoenus* (Conrad)

Buccinanops altile (Conrad)
See *Bullia altilis* (Conrad)

Buccinanops amoenum (Conrad)
See *Terebrifusus amoenus* (Conrad)

Buccinanops ancillopsis [*sic*] (Heilprin)
See *Bullia (Anbullina) ancillops* (Heilprin)

Buccinanops calli (Aldrich) **Nassariidae**

Nassa Calli Aldrich, 1886, p. 27, pl. 5, fig. 5; Cossmann, 1901b, p. 202

Nasseburna calli (Aldrich), de Gregorio, 1890, p. 108, pl. 7, figs. 62a, b copies Aldrich

Buccinanops calli (Aldrich), Palmer, 1937, p. 294, pl. 40, figs. 7, 9 copies Aldrich

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)
Type.—Holotype, No. 638770 USNM

Buccinanops ellipticum (Whitfield) **Nassariidae**

Pseudoliva elliptica Whitfield, 1865, p. 260; Aldrich, 1886, p. 56; Aldrich, 1887, p. 80 [not 1897 as in Harris 1899a synonymy and Le Blanc, 1942+]; Gardner, 1945, p. 195, pl. 27, figs. 3, 4 holotype

Buccinanops ellipticum (Whitfield), Harris, 1899a, p. 30, pl. 3, figs. 14, 15; Harris, 1899b, p. 305, pl. 54, figs. 4, 5; cf. Le Blanc, 1942+, p. 117, pl. 15, figs. 1, 2; Brann and Kent, 1960, p. 134

Buccinanops (Bullia) ellipticum (Whitfield), Cossmann, 1901b, p. 223

Range.—Lower Eocene. Bells Ldg. mem., Tuscahoma fm. (type ?) (Aldrich), middle Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr. (Le Blanc)

Localities.—MISS.: "Vicksburg" (type, Whitfield) = ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type) *fide* Aldrich, 1887, p. 80; Yellow Bluff, Alabama R. Cf. TEXAS: *Sabine Co.*, Sabinetown, Sabine R.; Pendleton, Sabine R.; ¼ mi. downstream from bridge over Sabine R. on La. Highway 6 (Le Blanc)

Type.—Holotype, No. UC 24670 CNHM

Buccinanops (Bullia) plicatum (I. Lea)
See *Bullia scamba* (Conrad)

"Buccinanops" priamopse de Gregorio **Nassariidae**

Buccinum (Buccinanops) priamopse de Gregorio, 1890, p. 107, pl. 8, figs. 22, 23; Palmer, 1937, p. 294

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Buccinanops prorsum (Conrad)
See *Laevibuccinum prorsum* (Conrad)

Buccinanops (Bullia) scambum (Conrad)
See *Bullia scamba* (Conrad)

Buccinanops subglobosum (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Buccinofusus harrisi (Aldrich)
See cf. *Pseudoneptunea harrisi* (Aldrich)

Buccinorbis carinata (Conrad *in* Gabb)
See *Pseudoliva vetusta carinata* Conrad *in* Gabb

Buccinorbis linosa (Conrad *in* Gabb)
See *Pseudoliva vetusta linosa* Conrad *in* Gabb

Buccinorbis perspectiva (Conrad *in* Gabb)
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Buccinorbis tuberculifera (Conrad)
See *Pseudoliva tuberculifera* Conrad

Buccinorbis vetusta (Conrad)
See *Pseudoliva vetusta* (Conrad)

Buccinorbis vetusta perspectiva (Conrad *in* Gabb)
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Buccinum amoenum Conrad
See *Terebrifusus amoenus* (Conrad)

Buccinum (Buccitriton) bellaliratum (Gabb)
See *Dorsanum bellaliratum* (Gabb)

Buccinum (Nassa) cancellatum (I. Lea)
See *Buccitriton sagenum* (Conrad)

Buccinum (Nassa) confiscatum de Gregorio
See *Dorsanum bellaliratum* (Gabb)

Buccinum (Nassa) impectens de Gregorio
See *Buccitriton sagenum* (Conrad)

Buccinum (Nassa) iterandum de Gregorio
See *Buccitriton iterandum* (de Gregorio)

Buccinum (Nassa) lucrifactum de Gregorio
See *Buccitriton lucrifactum* (de Gregorio)

Buccinum (Nassa) mangonizatum de Gregorio
See *Buccitriton mangonizatum* (de Gregorio)

Buccinum Mohri Aldrich
See *Cryptochorda mohri* (Aldrich)

Buccinum mohri Aldrich, Renick and Stenzel, 1931. Not Aldrich, 1886
See *Cryptochorda eureia* Stenzel and Turner

Buccinum parvum H. C. Lea
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Buccinum perlatum Conrad
Buccinum perlatum Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); H. C. Lea, 1849, p. 97; Harris, 1895b, p. 34; Palmer, 1937, p. 316. "Does not seem to have been discovered since Conrad's time."
Type.—Missing ANSP Moore, 1962, p. 86

Buccinum (Laevibuccinum) popleum de Gregorio
See *Laevibuccinum popleum* de Gregorio

Buccinum (Buccinanops) priamopse de Gregorio
See "*Buccinanops*" *priamopse* de Gregorio

Buccinum prorsum Conrad
See *Laevibuccinum prorsum* (Conrad)

Buccinum (Nassa) prostratum de Gregorio
See *Buccitriton sagenum* (Conrad)

Buccinum sagenum Conrad
See *Buccitriton sagenum* (Conrad)

Buccinum Sowerbii I. Lea
See *Doliocassis nuperus* (Conrad)

Buccinum (Phos ?) texanum Gabb
See *Buccitriton texanum* (Gabb)

Buccinum (Phos) trimorfopse de Gregorio
See *Buccitriton sagenum* (Conrad)

Buccitriton altum Conrad
See *Buccitriton texanum* (Gabb)

Buccitriton bellaliratum (Gabb)
See *Dorsanum bellaliratum* (Gabb)

Buccitriton cancellatum (I. Lea)
See *Buccitriton sagenum* (Conrad)

Buccitriton iterandum (de Gregorio) **Buccinidae**

Buccinum (Nassa) iterandum de Gregorio, 1890, p. 105, pl. 8, fig. 16
Cominella ? iteranda (de Gregorio), Cossmann, 1893, p. 34; Cossmann, 1901b, p. 150
Buccitriton (Nassa) iterandum (de Gregorio), Palmer, 1937, p. 316 doubtful sp.

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Buccitriton jacksonense (Cooke) **Buccinidae**

Alectrion jacksonensis Cooke, 1926b, p. 136, fig. 7
Buccitriton jacksonensis (Cooke), Harris and Palmer, 1947, p. 353, pl. 45, fig. 14 copy Cooke

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson, Moodys Branch (type)
Type.—Holotype, No. 353943 USNM

Buccitriton lucrifactum (de Gregorio) **Buccinidae**

Buccinum (Nassa) lucrifactum de Gregorio, 1890, p. 105, pl. 8, fig. 17
Buccitriton (Nassa) lucrifactum (de Gregorio), Palmer, 1937, p. 316 doubtful sp.

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Buccitriton mangonizatum (de Gregorio) **Buccinidae**

Buccinum (Nassa) mangonizatum de Gregorio, 1890, p. 105, pl. 8, figs. 18, 19
Nassa pleona Aldrich, 1921, p. 12, pl. 1, figs. 25, 26
Buccitriton mangonizatum (de Gregorio), Palmer, 1937, p. 306

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; ? Gosport sd., uppermost Claiborne gr. (type). See Palmer, 1937, p. 306
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type) see Palmer, 1937, p. 306; Lisbon Bluff, Alabama R.
Types.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost. Syntypes *Nassa pleona* Aldrich, No. 69 GSATC

Buccitriton sagenum (Conrad) **Buccinidae**

Buccinum sagenum Conrad, 1833b, p. 34 [not illustrated] (Harris reprint, 1893, p. 56); H. C. Lea, 1849, p. 97; d'Orbigny, 1850, p. 369; Harris, 1895b, p. 39
Nassa cancellata I. Lea, 1833, p. 165, pl. 5, fig. 170; H. C. Lea, 1849, p. 102; Cossmann, 1893, p. 33; Harris, 1895b, p. 9 = *Buccinum sagenum* Conrad. Not *N. cancellata* Chemnitz, 1780, p. 42; not *N. cancellata* A. Adams, 1851, p. 99
Nassa sagena (Conrad), Conrad, App. *in* Morton, 1834, p. 5
Buccitriton sagenum (Conrad), Conrad, 1865a, p. 20; Conrad, 1866a, p. 17; de Gregorio, 1890, p. 102; Harris, 1895b, p. 39; Palmer, 1937, p. 303, pl. 41, figs. 4, 7-9; Wenz, 1941, p. 1177, fig. 344 Cossmann; not Le Blanc, 1942+, p. 118, pl. 15, figs. 3, 4 Wilcox; Shimer and Shrock, 1944, p. 501; Brann and Kent, 1960, p. 134; Glibert, 1963b, p. 65
Buccitriton cancellatum (I. Lea), Tryon, 1883b, p. 154, pl. 51, fig. 73
Phos sagenum (Conrad), Dall, 1890, pp. 131, 135
Buccinum (Nassa) cancellatum (I. Lea), de Gregorio, 1890, pp. 102, 103, pl. 8, fig. 1 var. *sapidum* de Gregorio, figs. 2, 3 var. *molitum* de Gregorio, fig. 4 copy I. Lea
Buccinum (Phos) trimorfopse de Gregorio, 1890, p. 104, pl. 8, figs. 5-12
Buccinum (Nassa) prostratum de Gregorio, 1890, p. 104, pl. 8, figs. 13, 14
? *Buccinum (Nassa) impectens* de Gregorio, 1890, p. 105, pl. 8, fig. 15
Tritonidea trimorfopse (de Gregorio), Cossmann, 1893, p. 34
Phos (Buccitriton) sagenum (Conrad), Cossmann, 1901b, p. 159, pl. 6, fig. 11

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.;* Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff],

Brazos R. Cf. LA.: *Sabine Par.*, Columbus; Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; Hickory; 2 mi. NE. of Newton

Types.—Lectotype + 5 specimens, No. 16874 ANSP Moore, 1962, p. 94. Holotype *Nassa cancellata* I. Lea, No. 5841 ANSP. Types *Buccinum trimorfopse, B. prostratum, B. impectens* de Gregorio formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Buccitriton sagenum (Conrad), Le Blanc, 1942⁺. Not Conrad, 1833b
See *Buccitriton* sp.

Buccitriton scalatum Heilprin
See *Dorsanum scalatum* (Heilprin)

Buccitriton texanum (Gabb) **Buccinidae**

Phos texanus Gabb, 1860d, p. 381, pl. 67, fig. 17; Dall, 1890, p. 135 *Nassa*; Deussen, 1924, p. 67, pl. 22, fig. 2

Buccitriton altum Conrad, 1865a, p. 20 as *altus*; Conrad, 1865d, p. 211, pl. 21, fig. 9; Conrad, 1866a, p. 17; Dall, 1890, p. 134 *Nassa*

Buccitriton texanum (Gabb), Conrad, 1865a, p. 20; Conrad, 1866a, p. 17; Heilprin, 1891a, p. 399; Palmer, 1937, p. 305, pl. 41, figs. 2, 3, 6; pl. 85, fig. 1 type; Wenz, 1941, p. 1177, fig. 3345 Palmer; Shimer and Shrock, 1944, p. 501, pl. 206, fig. 6 copy Deussen; Brann and Kent, 1960, p. 135; Glibert, 1963b, p. 65

Buccinum (Phos ?) texanum Gabb, de Gregorio, 1890, p. 102 in part

Phos (Buccitriton) texanus Gabb, Cossmann, 1901b, p. 160

Range.—Middle Eocene. Stone City beds and Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr. Type either Stone City beds or Cook Mt. fm., determined by locality of lectotype.

Localities.—LA.: *Sabine Par.*, La. side, 200 yds below mouth of Bayou Negreet, Sabine R. TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. [*fide* Stenzel, Krause and Twining, 1957, p. 11]; big branch of Cedar Creek, E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City; *Robertson Co.*, Town Branch of Cedar Creek near Wheelock = "Wheelock" (Gabb, type). *Sabine Co.*, Sabine R., SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrops 21 and 22 (Veatch, 1902, p. 129); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City

Types.—Lectotype, No. 13278 ANSP. Holotype *B. altum* Conrad, No. 17106 ANSP Moore, 1962, p. 37

Buccitriton sp. **Buccinidae**

Buccitriton sagenum (Conrad), Le Blanc, 1942⁺, p. 118 in part, not pl. 15, figs. 3, 4. Not *B. sagenum* (Conrad), 1833b, p. 34

Range.—Lower Eocene. Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr. (Le Blanc)

Localities.—TEXAS: *Sabine Co.*, about ¼ mi. upstream from bridge over Sabine R. on La. Highway 6; bluff ¼ mi. downstream from Sabinetown Ferry

Types.—Unfigured specimens, LSU Pal. Mus.

Buccitriton sp. **Buccinidae**

Phos texanus Gabb *forma* 1, Renick and Stenzel, 1931, p. 102, pl. 7, fig. 23

Range.—Middle Eocene. Wheelock mem., Cook Mt. fm., upper Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.
Type.—Figured specimen, No. 21313 BEG

Buccitriton sp. **Buccinidae**

Phos texanus Gabb *forma* 2, Renick and Stenzel, 1931, p. 102, pl. 7, fig. 24

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., near old interurban crossing
Type.—Figured specimen, No. 21312 BEG

Buccitriton sp. **Buccinidae**

Phos texanus Gabb *forma* 3, Renick and Stenzel, 1931, p. 102, pl. 7, fig. 25

Range.—Middle Eocene. Yegua fm., uppermost Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, along Cedar Creek on W. J. McDonald 93-acre tract NE. of Edge
Type.—Figured specimen, No. 21311 BEG

Bucconia grandis (Aldrich)
See *Lithophysema grande* (Aldrich)

Buchozia poplea (de Gregorio)
See *Laevibuccinum popleum* (de Gregorio)

Bulbifusus inauratus (Conrad)
See *Mazzalina inaurata* (Conrad)

Bulbifusus inauratus (Conrad), de Gregorio, 1890 in part. Not *Fusus inauratus* Conrad, 1833b
See *Leiorhinus prorutus* (Conrad)

Bulbifusus inauratus (Conrad), Heilprin, 1891a. Not *Fusus inauratus* Conrad, 1833b
See *Strepsidura ficus* ? (Gabb) or subsp.

Bulbifusus minor (I. Lea)
See *Leiorhinus prorutus* (Conrad)

Bulbifusus plenus Aldrich
See *Mazzalina plena* (Aldrich)

Bulbifusus Tuomeyi Aldrich
See *Mazzalina tuomeyi* (Aldrich)

Bulimus floridanus Conrad, 1846d, p. 399; Conrad, 1865c, p. 144, pl. 11, fig. 11 not Eocene and not d'Orbigny as in Conrad, 1865c =

Eulima floridanus (Conrad); d'Orbigny, 1850, p. 342 (not d'Orbigny, 1847 as on p. 342) = *Bulimus (Hyperaulax) floridanus* Conrad, Dall, 1915, p. 25. Miocene

Bulimus terebellatus Lamarck, Conrad, 1835a; Henderson, 1935
See *"Bulimus"* sp.

"Bulimus" sp.
Bulimus terebellatus Lamarck, Conrad, 1835a, pp. 34; 34 dup. (Harris reprint, 1893, pp. 82, 90). Not Lamarck, 1804b, p. 291
Bulimus terebellatus Conrad, Henderson, 1935, p. 145. Not Conrad, 1832 as in Henderson

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. Not North Carolina as in Henderson, 1935
Type.—Specimen unknown

Bulla (Haminea) aldrichi Langdon
See *Abderospira aldrichi* (Langdon)

Bulla [*sic*] *altilis subglobosa* (Conrad)
See *Bullia altilis subglobosa* (Conrad)

Bulla bitruncata Meyer
See *Cylichna (Cylichnella) bitruncata* (Meyer)

Bulla biumbilicata Meyer
See *Abderospira meyeri* Palmer
See under *Abderospira aldrichi* (Langdon)

Bulla (Utriculus) commixta de Gregorio
See *Acteocina commixta* (de Gregorio)

Bulla conica Whitfield
See *Cylichna* ( ) *conica* (Whitfield)

Bulla Dekayi I. Lea
See *Mnestia dekayi* (I. Lea)

Bulla galba (Conrad)
See *Retusa (Cylichnina) galba* (Conrad)

Bulla (Cylichna) galba (Conrad), de Gregorio, 1890 in part. Probably not *B. galba* (Conrad), 1833b
See *Acteocina* sp.

Bulla (Haminea) grandis Aldrich
See *Lithophysema grande* (Aldrich)

Bulla Kellogi Gabb
See *Retusa (Cylichnina) kellogi* (Gabb)

Bulla Mortoni Lyell and Forbes, Whitfield, 1892. Not *Bulla Mortoni* Forbes *in* Lyell, 1845
See under *Cylichna* ( ) *conica* (Whitfield)

Bulla St. Hillairii I. Lea
See *Retusa (Cylichnina) galba* (Conrad)

Bulla (Volvula) subradius (Meyer)
See *Rhizorus subradius* (Meyer)

Bulla (Tornatina) Wetherelli [*sic*] (I. Lea)
See *Acteocina wetherilli* (I. Lea)

Bullata larvata (Conrad) **Marginellidae**

Marginella larvata Conrad, 1833b, p. 33 (Harris reprint, 1893, p. 55); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 45, pl. 16, fig. 12 (Harris reprint, 1893, p. 101, pl. 16, fig. 12); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 351; Tuomey, 1858, pp. 266, 274; Redfield, 1871, p. 265; Dall, 1890, p. 57; Cossmann, 1893, p. 40; Harris, 1895b, p. 24

Marginella ovata I. Lea, 1833, p. 179, pl. 6, fig. 191; H. C. Lea, 1849, p. 101; Tuomey, 1858, p. 266; Dall, 1890, p. 57; Harris, 1895b, p. 31, p. 24 under *M. larvata*. Not *M. ovata* Emmons, 1858, p. 261

Porcellana larvata (Conrad), Conrad, 1854, p. 31

Volutella larvata (Conrad), Conrad, 1865a, p. 25 in part; Conrad, 1866a, p. 16

Marginella (Volutella) larvata Conrad, de Gregorio, 1890, p. 61, pl. 4, figs. 34, 35, fig. 36 copy Conrad, fig. 37 copy *M. ovata* I. Lea

Cryptospira ovata (I. Lea)Cossmann, 1899b, p. 96, pl. 3, fig. 26

Persicula (Bullata) larvata (Conrad), Palmer, 1937, p. 421, pl. 67, figs. 21-23; pl. 89, fig. 13 type, *M. ovata* I. Lea; Brann and Kent, 1960, p. 677

Gibberula larvata (Conrad), Glibert, 1960a, p. 84

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—Cf. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W. about 2 mi. NE. of Mt. Lebanon. ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A and V R.R.; Hickory; 2 mi. NE. of Newton on route 15; *Clarke Co.*, about 8 mi. W. of Enterprise; Wautubbee

Types.—Lectotype ? + 7 remaining specimens, No. 14958 ANSP, Moore, 1962, p. 68. Holotype *M. ovata* I. Lea, No. 5903 ANSP

Bullata plicata (I. Lea) **Marginellidae**

Marginella plicata I. Lea, 1833, p. 178, pl. 6, fig. 189; H. C. Lea, 1849, p. 101; Dall, 1890, p. 57; Cossmann, 1893, p. 40; Harris, 1895b, p. 35

Marginella (Volutella) plicata I. Lea, de Gregorio, 1890, p. 61, pl. 4, fig. 31 copy Lea, figs. 32, 33

Cryptospira (Gibberula) plicata (I. Lea), Cossmann, 1899b, p. 97

Persicula (Bullata) plicata (I. Lea), Palmer, 1937, p. 426, pl. 67, figs. 5, 8; Brann and Kent, 1960, p. 677

Gibberula plicata (I. Lea), Glibert, 1960a, p. 85

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Lectotype, No. 5898 ANSP

Bullata semen (I. Lea) **Marginellidae**

Marginella semen I. Lea, 1833, p. 178, pl. 6, fig. 190; H. C. Lea, 1849, p. 101; Meyer, 1885a, p. 468; Dall, 1890, pp. 55, 57; Cossmann, 1893, p. 40; Harris, 1895b, p. 41. Not *M. semen* Reeve, 1865, vol. 15, sp. 145

Marginella semen (young) I. Lea, Conrad, 1835a, p. 45 under *M. larvata* (Harris reprint, 1893, p. 101)

Marginella ovata Emmons, 1858, p. 261, fig. 136. Not *M. ovata* I. Lea, 1833, p. 178

Marginella ? sp. Conrad, 1870a, pl. 3, fig. not numbered, no name or descriptions

Marginella (Volutella) semen I. Lea, de Gregorio, 1890, p. 62, pl. 4, figs. 38, 39, figs. 40, 41 var. *linda* de Gregorio, fig. 44 copy Lea

Cryptospira (Gibberula) semen (I. Lea), Cossmann, 1899b, p. 97

Persicula (Bullata) semen (I. Lea), Palmer, 1937, p. 422; pl. 67, figs. 13, 14, 16-19; pl. 90, fig. 15 type I. Lea: Harris and Palmer, 1947, p. 406 in part, not pl. 62, figs. 9-12, 19= *B. semen jacksonensis* Meyer; Brann and Kent, 1960, pp. 677, 678

Gibberula semen (I. Lea), Glibert, 1960a, p. 85

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R. Cf. MISS.: *Clarke Co.*, about 8 mi. E. of Enterprise; Wautubbee. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and 6 mi. WNW. of Orangeburg

Type.—Holotype, No. 5900 ANSP

Bullata semen exilarata (de Gregorio) **Marginellidae**

Marginella (Volutella) semen exilarata and *propenitidula* de Gregorio, 1890, p. 62, pl. 4, figs. 42, 43 *esilarata*. Spelled *exilarata* twice on expl. of pl. and once in text; *esilarata* in text once.

Persicula (Bullata) semen exilarata (de Gregorio), Palmer, 1937, p. 425, pl. 67, fig. 11; Brann and Kent, 1960, p. 678

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Bullata semen jacksonensis (Meyer) **Marginellidae**

Marginella incurva jacksonensis Meyer, 1885a, p. 465; Palmer, 1937, p. 420, pl. 67, figs. 13, 14 as *Persicula semen* (I. Lea)

Persicula (Bullata) semen (I. Lea), Harris and Palmer, 1947, p. 406 in part, pl. 62, figs. 9, 10 type *Marginella jacksonensis* Meyer, figs. 11, 12, same as Palmer, 1937, pl. 67, figs. 13, 14; 19; Brann and Kent, 1960, pp. 677, 678

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). TEXAS: *Sabine Co.*, 1 mi. below Robinson's Ferry, Sabine R.

Type.—Lectotype, No. 638711 USNM (pl. 62, figs. 9, 10)

Bullata semen minima (I. Lea) **Marginellidae**

Oliva minima I. Lea. 1833, p. 184, pl. 6, fig. 200 yg. *Marginella;* Duclos, [1844], p. 20, not pl. 20, figs. 1, 2 not copy Lea; H. C. Lea, 1849, p. 103; de Gregorio, 1890, p. 53, pl. 3, fig. 68 copy Lea; Harris, 1895b, p. 28 yg. *Marginella*

Persicula (Bullata) semen minima (I. Lea), Palmer, 1937, p. 425, pl. 67, fig. 10; pl. 90, fig. 10 type; Brann and Kent, 1960, p. 678

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5927 ANSP

Bullata semenoides (Gabb) **Marginellidae**

Erato semenoides Gabb, 1860d, p. 383, pl. 67, fig. 49; Redfield, 1871, p. 220

Marginella semenoides (Gabb), Dall, 1890, p. 57; Schilder, 1933, p. 271

Marginella semen I. Lea, Heilprin, 1891a, p. 397 in part

? *Persicula (Bullata) semenoides* (Gabb), Palmer, 1937, p. 426, pl. 89, fig. 16 type

Gibberula semenoides (Gabb), Glibert, 1960a, p. 85

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Robertson Co.*, Town Branch, Cedar Cr., near Wheelock *fide* Stenzel, Krause and Twining, 1957, p. 11 (type); "Caldwell Co.," (Gabb, type) = Stone City Bluff, Brazos R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R., SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., opposite Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129). LA.: *Sabine Par.*, Fisher

Type.—Lectotype, No. 13275 ANSP

Bullia altilis (Conrad) **Nassariidae**

Ancillaria altile Conrad, 1832b, p. 24, pl. 10, fig. 2 (Harris reprint, 1893, p. 42, pl. 10, fig. 2); Harris, 1895b, p. 4

Anolax gigantea I. Lea, 1833, p. 180, pl. 6, fig. 193; H. C. Lea, 1849, p. 96; Harris, 1895b, p. 20 = *Ancillaria altile* Conrad

Ancillaria altilis Conrad, Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 96

Ancyllaria [*sic*] *altilis* Conrad, d'Orbigny, 1850, p. 352

Ancilla altilis (Conrad), Conrad, 1854, p. 30; de Gregorio, 1890, p. 55, pl. 3, figs. 57, 67, fig. 62 *A. gigantea* I. Lea; pl. 4, figs. 20, 21 copies Conrad

Ancillopsis altile (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 7; Shimer and Shrock, 1944, p. 511 *altilis*

Ancillaria (Ancillopsis) altile Conrad, Tryon, 1883a, p. 61, pl. 3, fig. 27

Buccinanops altile (Conrad), Cossmann, 1893, p. 33; Cossmann, 1899b, p. 45

Bullia altilis (Conrad), Price and Palmer, 1928, p. 28, pl. 6, figs. 13, 14, 16 as *altile;* Palmer, 1937, p. 287, pl. 39, figs. 7-9; cf. Harris and Palmer, 1947, p. 347, pl. 45, figs. 22, 23 Jackson Eocene; Brann and Kent, 1960, p. 138 No. 358 Claiborne, Ala., Gosport sd. not Gazley Cr., Texas, as stated; Glibert, 1963b, p. 98

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr. Cf. upper Eocene. Jackson gr.

Localities.—ALA: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Ldg., about 6½ mi. above toll bridge at Claiborne, Alabama R. [not Gazley Cr., Texas, Queen City fm., middle Eocene, No. 358 as stated Brann and Kent, 1960, p. 138 =Claiborne Bluff, Gosport sd. see Price and Palmer, 1928, p. 31]. Cf. ARK.: *St. Francis Co.*, Crow Cr., about 2 mi. E. of Forrest City

Types.—Possible lectotype, No. 14644 ANSP, *fide* Moore, 1962, p. 36. Holotype, *A. gigantea* I. Lea, No. 5909 ANSP

Bullia altilis harrisi Palmer **Nassariidae**

Bullia altile harrisi Palmer *in* Price and Palmer, 1928, p. 29, pl. 7, figs. 7, 11, 12, 15

Bullia altilis harrisi Palmer, Palmer, 1937, p. 290, pl. 39, figs. 2, 3; figs. 10, 13 holotype; Brann and Kent, 1960, p. 139

Range.—Middle Eocene. Upper Queen City fm. (type), lower Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Gazley Cr., Colorado R., Smithville (type)

Types.—Holotype, No. 360; paratype, Nos. 356, 357 PRI

Bullia altilis subglobosa (Conrad) **Nassariidae**

Ancillaria subglobosa Conrad, 1832b, p. 25, pl. 10, fig. 3 (Harris reprint, 1893, p. 43, pl. 10, fig. 3); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 96; Harris, 1895b, p. 43 in part

Ancyllaria [*sic*] *subglobosa* (Conrad), d'Orbigny, 1850, p. 352

Ancilla subglobosa (Conrad), Conrad, 1854, p. 30; de Gregorio, 1890, p. 56 in part, pl. 4, figs. 3, 4, figs. 19, 20 copies Conrad

Ancillopsis subglobosa (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17 in part; Shimer and Shrock, 1944, p. 511, pl. 210, fig. 10 copy Conrad

Expleritoma prima Aldrich, 1886, p. 29, pl. 5 fig. 1; de Gregorio, 1890, p. 108, pl. 8, figs. 26, 27 copies Aldrich; Dall, 1890, p. 371; Palmer, 1937, pp. 287, 288 pathologic

Buccinanops subglobosum (Conrad), Cossmann, 1893, p. 33 in part

Buccinanops (Brachysphingus) subglobosa (Conrad), Cossmann, 1901b, p. 221, pl. 9, fig. 14, not fig. 23 as in text and expl. pl.

Bullia altilis subglobosa (Conrad), Palmer, 1937, p. 289, pl. 39, figs. 1, 4, 5, 6, 11, 12; pl. 40, figs. 1-3, 5

Bullia altile [*B. subglobosum* form] (Conrad), Price and Palmer, 1928, p. 29, pl. 7, fig. 13, figs. 14, 16 as *B. altile*

Cf. *Bullia altilis subglobosa* (Conrad), Harris and Palmer, 1947, p. 348, pl. 45, fig. 24; Brann and Kent, 1960, p. 139

Bulla [*sic*] *altilis subglobosa* (Conrad), Wilbert, 1953, p. 99

Range.—Cf. lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr., Middle Eocene. Cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr. Cf. upper Eocene

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee

R. = No. 359 PRI not Gazley Cr., Texas as in Brann and Kent, 1960, p. 138; *Clarke Co.*, Satilpa Cr. (*Expleritoma prima*). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg. Cf. ARK.: *St. Francis Co.*, Crow Creek road bridge on highway 70, about 2 mi. E. of Forrest City

Types.—Lectotype, No. 14645 ANSP, Moore, 1962, p. 99. Holotype, *Expleritoma prima* Aldrich, No. 638776 USNM

Bullia (Anbullina) ancillops (Heilprin) **Nassariidae**

Ancillaria ancillops Heilprin, 1891a, pp. 398, 406, pl. 11, fig. 4

Buccinanops (Bullia) ancillopsis [*sic*] (Heilprin), Cossmann, 1901b, p. 223, pl. 9, fig. 24 (not *Anaulax* Heilprin as in Cossmann)

Bullia (Anbullina) ancillops (Heilprin), Palmer, 1937, p. 292, pl. 40, figs. 4, 6; Wenz, 1943, p. 1226, fig. 3488 copy Palmer; Brann and Kent, 1960, p. 139; Glibert, 1963b, p. 98

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); S. bank Colorado R., Smithville

Type.—Not found *fide* Palmer, 1937, p. 293

Bullia elliptica Whitfield
See *Buccinanops ellipticum* (Whitfield)

Bullia plicata (I. Lea)
See *Bullia scamba* (Conrad)

Bullia scamba (Conrad) **Nassariidae**

Ancillaria scamba Conrad, 1832b, p. 25, pl. 10, fig. 4 (Harris reprint, 1893, p. 43, pl. 10, fig. 4); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 96; d'Orbigny, 1850, p. 352 as *Ancyllaria;* Tuomey, 1858, p. 264 as *scampa* [*sic*]; Harris, 1895b, p. 40

? *Anolax plicata* I. Lea, 1833, p. 181, pl. 6, fig. 194 young; H. C. Lea, 1849, p. 96; Harris, 1895b, p. 35 young *A. scamba* Conrad

Ancilla scamba (Conrad), Conrad, 1854, p. 30; de Gregorio, 1890, p. 55, pl. 4, figs. 12, 13, figs. 15, 16 copies Conrad

Ancillopsis scamba (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Olivula ? plicata (I. Lea), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Ancillaria (Ancillopsis) scamba Conrad, Tryon, 1883a, p. 61, pl. 3, fig. 26

Ancilla (Olivula) plicata (I. Lea), de Gregorio, 1890, p. 57, pl. 4, fig. 9 copy Lea; Cossmann, 1901b, p. 223

Ancillina scamba (Conrad), Cossmann, 1893, p. 40

Ancillina ? plicata (I. Lea) Cossmann, 1893, p. 40

Buccinanops (Bullia) scambum (Conrad), Cossmann, 1901b, p. 223, pl. 9, fig. 23 not fig. 14 as in text

Buccinanops (Bullia) scambum (Conrad), Cossmann, 1901b, p. 223, pl.

Bullia scamba (Conrad), Palmer, 1937, p. 290, pl. 44, figs. 2, 7; Brann and Kent, 1960, p. 140; Glibert, 1963b, p. 98

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype + 10 specimens, No. 14647 ANSP, Moore, 1962, p. 95. Holotype, *Anolax plicata* I. Lea, No. 5910 ANSP, lost.

Bullia tenera (Conrad) **Nassariidae**

Ancillaria tenera Conrad, 1834, p. 147; Conrad, 1835a, p. 42, pl. 16, fig. 5 (Harris reprint, 1893, p. 98, pl. 16, fig. 5); H. C. Lea, 1849, p. 96; Harris, 1895b, p. 45

Ancillaria praetenuis Conrad, App. *in* Morton, 1834, p. 5 *nomen nudum;* d'Orbigny, 1850, p. 352 as *Ancyllaria;* Harris, 1895b, p. 36 labelled specimen ANSP = *A. tenera* Conrad

Ancilla tenera (Conrad), Conrad, 1854, p. 30; de Gregorio, 1890, p. 56, pl. 4, fig. 2 copy Conrad

Ancillopsis tenera (Conrad), Conrad, 1865a, p. 22; Conrad, 1866a, p. 17

Bullia tenera (Conrad), Palmer, 1937, p. 291, pl. 42, figs. 7-11, 13 [figs. 7, 13 No. 3064, not No. 3074 as in expl. of pl.], fig. 12 holotype; Brann and Kent, 1960, p. 140

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. LA.: Exact data lost (Palmer, 1937). Cf. TEXAS: *Burleson Co.*, big Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City [probably Cedar Cr., near Wheelock, Robertson Co., fide Stenzel, pers. com.]

Type.—Holotype, No. 14646 ANSP, Moore, 1962, p. 102

Bullia tuomeyi (Aldrich) **Nassariidae**

Ancillopsis Tuomeyi Aldrich, 1921, p. 12 as Tuomoyi [*sic*], pl. 1, figs. 23, 24

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R.

Type.—Holotype, No. 39 GSATC

Bullina leai Aldrich
See *Acteocina leai* (Aldrich)

Bullinella galba (Conrad)
See *Retusa (Cylichnina) galba* (Conrad)

Bullinella jacksonensis (Meyer)
See *Retusa (Cylichnina) jacksonensis* (Meyer)

Bullinella jacksonensis exta Harris
See *Retusa (Cylichnina) jacksonensis exta* (Harris)

Bullinella Saint-Hilairei [*sic*] (I. Lea)
See *Retusa (Cylichnina) galba* (Conrad)

Bullinella sylvaerupis (Harris)
See *Retusa (Cylichnina) sylvaerupis* (Harris)

Bullinella sp. Le Blanc
See *Retusa (Cylichnina)* sp.

Bulliopsis choctavensis (Aldrich) **Nassariidae**

Melanopsis Choctavensis Aldrich, 1886, p. 35, pl. 3, fig. 8

Pasithea Coctavensis [*sic*] (Aldrich), de Gregorio, 1890, p. 164, pl. 16, fig. 36 copy Aldrich

Bulliopsis choctavensis (Aldrich), Harris, 1899a, p. 58, pl. 7, fig. 10; Brann and Kent, 1960, p. 140

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigee R. (type); *Choctaw Co.*, Butler

Types.—Syntype, specimen figured missing; syntype, No. 638787 USNM labeled "type" previously

Bulovia weisbordi Palmer **Nassariidae**

Bulovia weisbordi Palmer, 1937, p. 293, pl. 40, figs. 10, 11; Wenz, 1943, p. 1226, fig. 3489 copy Palmer; Brann and Kent, 1960, p. 140

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 3048 PRI

Caecum (Micranellum) alterum Meyer **Caecidae**

Caecum alterum Meyer, 1887a, p. 6, pl. 1, fig. 8; Dall, 1892, p. 297 in part

Caecum (Micranellum) alterum Meyer, Harris and Palmer, 1947, p. 279, pl. 35, fig. 6 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638873 USNM

Caecum (Mioceras) corpulenta (Meyer)
See *Clio (Creseis) corpulenta* (Meyer) in Pteropoda, Part I, p. 357

Caecum (Mioceras) eocaenense (Meyer) Cossmann, 1912b not Eocene
See under *Bovicornu gracile* Meyer in Pteropoda, Part I, p. 356

Caecum (Mioceras) gracile (Meyer)
See *Bovicornu gracile* Meyer in Pteropoda, Part I, p. 356

Caelatura sulcata (I. Lea)
See *Actaeonema sulcatum* (I. Lea)

Callianax poinciana Palmer
See *Olivella (Callianax) poinciana* Palmer

Calliostoma (Eutrochus) claibornianum Palmer **Trochidae**

Calliostoma (Eutrochus) claibornianum Palmer, 1944, p. 4, pl. 2, figs. 4-6

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 113 GSATC

Calliostoma nitens (I. Lea)
See *Norrisia (Norrisella) nitens* (I. Lea)

"Calliostoma" sp. **Trochidae**
Calliostoma sp., Kellum, 1926, p. 26, pl. 4, fig. 7

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *Pender Co.*, Old Rocky Point
Type.—Figured specimen No. 353275 USNM

"Calliostoma" sp. **Trochidae**
Calliostoma sp. Clark and Martin, 1901, p. 157

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Prince Georges Co.*, Upper Marlboro. VA.: *King George Co.*, 2 mi. below Potomac Creek
Types.—Unfigured specimens, USNM

Callithea exile (Gabb)
See *Uromitra brazosana* Palmer and Brann, new name

Calyptraea alta (Conrad) **Calyptraeidae**
Trochita alta Conrad *in* Wailes, 1854, p. 289, pl. 15, figs. 3a, 3b (reprint, 1939, p. 19, pl. 2, figs. 3a, 3b); Conrad, 1856a, p. 259 (reprint, 1939, p. 5); Conrad, 1865a, p. 33; Conrad, 1866a, p. 24. Not *Trochita alta* Hutton, 1885, p. 329
Calyptraea alta (Conrad), Harris and Palmer, 1947, p. 263, pl. 31, figs. 1, 3; Brann and Kent, 1960, p. 155

Range.—Upper Eocene. Moodys Branch fm. (type, lower Jackson gr.; Yazoo cl., lower and upper Jackson gr.
Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type); 1 mi. SW. of City Water Works on G.M. & N. R.R., Jackson. LA.: *Grant Par.*, upper bed and ½ mi. below ferry, Montgomery Ldg., Red R.
Type.—Lectotype, No. 13194 ANSP Moore, 1962, p. 36

Calyptraea aperta (Solander *in* Brander) **Calyptraeidae**
Trochus apertus Solander *in* Brander, 1766, p. 9, pl. 1, figs. 1, 2
Trochus operculus Solander *in* Brander, 1766, fig. 3
Calyptraea trochiformis Lamarck, 1802, p. 385; Lamarck, 1806a, pl. 7, figs. 3a-c; H. C. Lea, 1849, p. 97; de Gregorio, 1890, p. 145, pl. 13, fig. 31 copy *C. aperta* Conrad, figs. 40-45, figs. 46, 47 copies I. Lea; Dall, 1892, p. 352 in part; Clark, 1895, p. 4; Clark, 1896, p. 70. Not Gmelin, 1790, p. 3693 as *Patella*
Calyptraea aperta (Solander), Conrad, 1833b, p. 32 with "vars." B, C [not illustrated] (Harris reprint, 1893, p. 54); Conrad, 1835a, p. 46 (Harris reprint, 1893, p. 102); Cossmann, 1893, p. 26; Harris, 1899b, p. 84, pl. 11, figs. 13-16; Clark and Martin, 1901, p. 152, pl. 28, figs. 4, 5; Maury, 1912, p. 99, pl. 13, fig. 5; Dall, 1915, p. 103; Palmer, 1937, p. 145, pl. 16, figs. 1, 2, 3, 5; Olsson, 1944, p. 90, pl. 9, figs. 10-13; Shimer and Shrock, 1944, p. 487, pl. 199, fig. 37 copy Clark and Martin Miocene; Harris and Palmer, 1947, p. 260, pl. 31, figs. 2, 4-12; Richards and Palmer, 1953, p. 23, pl. 2, figs. 1, 2; Brann and Kent, 1960, pp. 155-157; Glibert, 1963a, p. 14

Infundibulum urticosum Conrad, 1833b, p. 32 (Harris reprint, 1893, p. 54); H. C. Lea, 1849, p. 100; Harris, 1895b, p. 47
Infundibulum trochiformis [ ], I. Lea, 1833, p. 96, pl. 3, fig. 76; Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 46, pl. 16, fig. 18, not fig. 21 as in text (Harris reprint, 1893, p. 102, pl. 16, fig. 18); H. C. Lea, 1849, p. 100; Tuomey, 1858, pp. 265, 274; Harris, 1895b, p. 46
Trochita trochiformis (I. Lea), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11; Aldrich, 1886, pp. 52, 56; Heilprin, 1879b, p. 222
Calyptraea (Trochatella) aperta (Solander), Olsson, 1928, p. 62
Synonymy limited to American Eocene. For European Eocene see Newton, 1891, p. 245

Range.—Lower Eocene-Miocene. Upper Eocene England (type)
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.; Greggs Ldg., Alabama R.; Bells Ldg., Alabama R.; *Clarke Co.*, Woods Bluff, Tombigbee R. S.C.: *Orangeburg Co.*, Orangeburg. MISS.: *Hinds Co.*, Moodys Branch, Jackson; Town Creek, Jackson; *Clarke Co.*, Garland Cr. ½-1 mi. below old bridge site. LA.: *Grant Par.*, Montgomery Ldg., Red R.; ½ mi. below ferry lower and upper bed at Montgomery Ldg., Red R.; *Caldwell Par.*, Gibsons Ldg., Ouachita R., ¾ mi. below ldg., Ouachita R.; *Catahoula Par.* Danville Ldg., Ouachita R. TEXAS: *Sabine Co.*, ½ mi. below Robinson's Ferry, Sabine R. VA.: *Stafford Co.*, Aquia Cr. MD.: *Charles Co.*, Clifton Beach; *Prince Georges Co.*, Fort Washington
Types.—Syntypes British Museum (Nat. Hist.), Nos. GG 7016, GG 7017. Holotype *Infundibulum trochiformis* I. Lea, No. 5463 ANSP. Probable syntypes (2) *Infundibulum urticosum* Conrad, No. 15351 ANSP, Moore, 1962, p. 106

Calyptraea carinata (Conrad)
See "*Infundibulum carinatum*" Conrad

Calyptraea trochiformis Lamarck
See *Calyptraea aperta* (Solander *in* Brander)

Calyptraea trochiformis Lamarck, Dall, 1892 in part [*Velutina expansa*]. Not Lamarck, 1802
See *Capulus expansus* (Whitfield)

Calyptraea sp. **Calyptraeidae**
Calyptraea sp. Harris, 1896, p. 116, pl. 12, figs. 10, 11; Brann and Kent, 1960, p. 158

Range.—Paleocene. Clayton fm., lower Midway gr.
Localities.—ALA.: *Barbour Co.*, R.R. cut 1⅓ mi. NE. of Clayton; *Wilcox Co.*, 1 mi. N. of Midway
Types.—Figured specimens, Nos. 116, 117 PRI

Calyptraea sp. **Calyptraeidae**
Calyptraea sp. Kellum, 1926, p. 27, pl. 5, fig. 3

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353278 USNM

Calyptraea spp. **Calyptraeidae**

Calyptraea spp. Gardner, 1935, p. 300

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm., upper Midway gr.

Localities.—TEXAS: *Bastrop Co.*, Wilbarger Cr. (USGS 11902); Colorado R., ½-¾ mi. above mouth of Dry Creek (USGS 12112, 12113); *Kaufman Co.*, Water Hill, 5 mi. NE. of Kemp (USGS 11665)

Types.—Unfigured specimens, probably USNM

Calyptraphorus aldrichi Gardner **Strombidae**

Rostellaria (Calyptraphorus) velata var. *compressa* Aldrich, 1894b, p. 244 in part

Calyptraphorus velatus compressa Aldrich, Harris, 1896, p. 104 in part

Calyptraphorus compressus Aldrich, Cooke, 1926a, pl. 93, figs. 1a, 1b; Semmes, 1929, fig. 51-1a, 1b

Calyptraphorus aldrichi Gardner, 1935, p. 268, pl. 24, figs. 1-3; Palmer, 1937, p. 243; Le Blanc, 1942⁺, p. 108, pl. 14, figs. 4, 7

Range.—Paleocene. Kincaid fm., lower Midway gr.; Matthews Ldg. beds (type), uppermost Porters Cr. fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi W. of Camden, sec. 12, T. 12 N., R. 6 E. (type). For Texas localities see Gardner, 1935, p. 269

Type.—Holotype, No. 373063 USNM

Calyptraphorus compressus Aldrich, Cooke, 1926a; Semmes, 1929. Not Aldrich, 1894b
See *Calyptraphorus aldrichi* Gardner
See also under *Calyptraphorus velatus compressus* Aldrich

Calyptraphorus eburneus Conrad, 1866a, p. 25 is a *nomen nudum* may be same as *C. stamineus* [*fide* Harris and Palmer, 1947. p. 312]. Specimens No. 15062-15064 labeled *C. eburneus* ANSP *fide* Harris and Palmer, 1947, p. 312. Not listed by Moore, 1962

Calyptraphorus jacksoni Clark **Strombidae**

Calyptrophorus [*sic*] *jacksoni* Clark, 1895, p. 4; Clark, 1896, p. 68, pl. 12, figs. 2a, 2b

Calyptraphorus jacksoni Clark, Clark and Martin, 1901, p. 145, pl. 25, figs. 1, 1a copy Clark, fig. 2; Palmer, 1937, p. 243; Shimer and Shrock, 1944, p. 500, pl. 204, figs. 5, 6 copies Clark and Martin

Range.—Paleocene. Aquia fm. (type)

Localities.—MD.: *Anne Arundel Co.*, S. of Annapolis; Sheckels Farm, near South R. (type); *Prince Georges Co.*, Upper Marlboro

Type.—Holotype, USNM

Calyptraphorus popenoe Gardner **Strombidae**

Calyptraphorus popenoe Gardner, 1935, p. 269, pl. 24, figs. 4, 6-8; Palmer, 1937, p. 243

Range.—Paleocene. Wills Point fm. (type), upper Wilcox [Sabine] gr.
Locality.—TEXAS: *Maverick Co.*, USGS Sta. 11754, 6 mi. S. of McFarland sheep pens and 27 mi. SE. Eagle Pass
Types.—Holotype, No. 370938; paratype, No. 370939 USNM

Calyptraphorus quidest de Gregorio
See *Calyptraphorus velatus* (Conrad)

Calyptraphorus stamineus (Conrad) **Strombidae**

Rostellaria velata Conrad *in* Wailes, 1854, p. 289, pl. 15, figs. 7a, 7b (reprint, 1939, p. 19, pl. 2, figs. 7a, 7b) [*vellata sic*]; Conrad, 1856a, p. 260 (reprint, 1939, p. 6)
Rostellaria young Conrad *in* Wailes, 1854, pl. 16 [17], fig. 9 (reprint, 1939, pl. 3, fig. 9)
Rostellaria staminea Conrad, 1856a, p. 260 (reprint, 1939, p. 6)
Calyptraphorus stamineus (Conrad), Conrad, 1865a, p. 31; Conrad, 1866a, p. 25 as *Calyptrophorus* [*sic*]
Calyptraphorus velatus stamineus (Conrad), Harris and Palmer, 1947, p. 311, pl. 41, figs. 5-12

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr. and Moodys Branch, Jackson; *Clarke Co.*, Garland Cr., near Shubuta; Garland Cr., about 4 mi. NE. of Shubuta; Garland Cr., ½-1 mi. below bridge site; loose material in stream 2-3 mi. below bridge site, Garland Cr. LA.: *Grant Par.*, Montgomery Ldg., Red R.; lower bed, lower layer, and ½ mi. below ferry Montgomery Ldg., Red R.; *Catahoula Par.*, Danville Ldg., Ouachita R.; *Caldwell Par.*, ¾ mi. below Gibson Ldg., Ouachita R.; 1 mi. above, ½ mi. below and at Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.; Grandview Bluff, Ouachita R. ARK.: *St. Francis Co.*, Crow Cr. about 2 mi. E. of Forrest City; *Cleveland Co.*, Vince Ferry, Saline R., about 18 mi. SE. of Rison
Type.—Missing, Moore, 1962, p. 97

Calyptraphorus stamineus (Conrad) Gosport sd., not Jackson Eocene
See *Calyptraphorus velatus* (Conrad)

Calyptraphorus trinodiferus Conrad **Strombidae**

Calyptraphorus trinodiferus Conrad, 1858a, p. 166; Conrad, 1860, p. 298, pl. 47, fig. 29; Conrad, 1865a, p. 31; Conrad, 1866a, p. 13; Gabb, 1868, p. 142, pl. 13, fig. 10 [as *velatus* in text]; Harris, 1899a, p. 70, pl. 9, figs. 2, 2a; Clark and Martin, 1901, p. 145 in part, not pl. 25, fig. 3 = *Calyptraphorus* spp.; Veatch, 1906, pl. 18, figs. 4, 4a copies Harris, 1899a; Cooke, 1926a, p. 266, pl. 94, fig. 5; Semmes, 1929, fig. 59-5; Davies, 1935, p. 265, figs. 380a, 380b; Palmer, 1937, p. 241, pl. 31, figs. 5, 6; Le Blanc, 1942⁺, p. 110, pl. 14, figs. 2, 3; Shimer and Shrock, 1944, p. 500 in part, not pl. 204, figs. 7, 8 = *Calyptraphorus* spp; Brann and Kent, 1960, p. 158
Rostellaria (Calyptraphorus) trinodifera Conrad, Tryon, 1883b, p. 192, pl. 60, fig. 78; de Gregorio, 1890, p. 115, pl. 10, figs. 3-5, fig. 6 copy Conrad; Aldrich, 1894b, p. 245; Cossmann, 1904b, p. 26, pl. 3, fig. 3
Gladius trinodiferus (Conrad), Cossmann, 1893, p. 31
Tibia (Calyptrophorus [*sic*]*) trinodifera* (Conrad), Glibert, 1963a, p. 37

Range.—Lower Eocene (type). Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendletown Ferry fm., middle Wilcox [Sabine] gr.; Nanjemoy fm.

Localities.—ALA.: "Eocene of Alabama, Mr. Showalter" (type). [Type locality not selected.] *Monroe Co.*, Bells Ldg., Alabama R.; Greggs Ldg., Alabama R. *Clarke Co.*, Woods Bluff, Tombigbee R. TEXAS: *Sabine Co.*, bluff ¼ mi. downstream Sabinetown Ferry Ldg., Sabine R. VA.: *King George Co.*, Potomac Creek (zone 11 Nanjemoy)

Type.—Probable holotype, No. 15066 ANSP, Moore, 1962, p. 104

Calyptraphorus velatus (Conrad) **Strombidae**

Rostellaria velata Conrad, 1833b, p. 31 [not illustrated] (Harris reprint, 1893, p. 53); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 38, pl. 15, fig. 5 not fig. 4 (Harris reprint, 1893, p. 94, pl. 15, fig. 5); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 356; not Conrad *in* Wailes, 1854 p. 289, pl. 15, figs. 7a, 7b (reprint, 1939, pl. 19, figs. 7a, 7b [*vellata "sic"*]); Conrad, 1856a, p. 260 (reprint, 1939, p. 6) (= *Calyptraphorus stamineus* Conrad); Tuomey, 1858, pp. 267, 274, not pp. 269, 272; not Harris, 1894b, p. 46 (= subsp. *compressus*, which see); Harris, 1895b, p. 47

Rostellaria Lamarckii I. Lea, 1833, p. 158, pl. 5, fig. 164; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 23= *R. velata* Conrad

Calyptraphorus velatus (Conrad), Conrad, 1858a, p. 166; Conrad, 1865a, p. 31; Conrad, 1866a, p. 13; Gabb, 1868, p. 142, pl. 13, fig. 9; de Gregorio, 1890, p. 114, pl. 9, figs. 21-30; not Harris, 1894b, p. 46 = "var." *compressus;* Veatch, 1906, p. 33, pl. 14, figs. 4, 4a, copies Lea, fig. 4b; Davies, 1935, p. 266; Palmer, 1937, p. 240, pl. 32, figs. 4, 6, 7, 8, fig. 10 copy Conrad, figs. 11-13 misspelled *Calytraphorus*; Shimer and Shrock, 1944, p. 499 in part, not pl. 205, figs. 1-3= subsp. *nodovelatus* Palmer, which see; Brann and Kent, 1960, p. 159

Calyptrophorus [*sic*] *velatus* (Conrad), Conrad, 1866a, p. 13

Rostellaria (Calyptraphorus) velatus Conrad, de Gregorio, 1890, p. 114, pl. 9, figs. 21-27, figs. 28, 29 copies *Lamarckii* Lea, fig. 30 copy Conrad; Whitfield, 1892, p. 222 in part, pl. 33, figs. 26, 27, not figs. 23-25; Aldrich, 1894b, p. 245; Cossmann, 1904b, p. 25, pl. 3, figs. 1, 2 as *Calyptrophorus* [*sic*]

Rostellaria (Calyptraphorus) quidest de Gregorio, 1890, p. 115, pl. 10, figs. 1, 2a, b

Gladius velatus (Conrad), Cossmann, 1893, p. 31

Tibia (Calyptrophorus [*sic*]) *velata* (Conrad), Wenz, 1940, p. 937, fig. 2737 copy Cossmann, Mississippi not Missouri; Glibert, 1963a, p. 37

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R. Cf. MISS.: *Newton Co.*, 2 mi. NE. of Newton on route 15. Cf. TEXAS: *Leon Co*, about 1 mi. SE. of Robbins; *Angelina Co.*, H. W. Berryman's place, 2½ mi. from Linwood, 11 mi. from Rusk

Types.—Lectotype+3 specimens No. 15017 ANSP, Moore, 1962, p. 107. Holotype, *R. Lamarckii* Lea, No. 5821 ANSP. Holotype, *R. staminea* Conrad missing ANSP, Moore, 1962, p. 97. Holotype *R. quidest* de Gregorio, De Gregorio Coll., No. 26434 PRI

Calyptraphorus velatus Conrad, Whitfield, 1892. Not Conrad, 1833b
See *Calyptraphorus* sp.

Calyptraphorus velatus compressus Aldrich **Strombidae**

Anchura [sp.] White, 1884, p. 17
Rostellaria velata Aldrich, 1886, p. 59
Rostellaria [sp.] Smith and Johnson, 1887, p. 66
Calyptraphorus velatus (Conrad), Harris, 1894b, p. 46
Rostellaria (Calyptraphorus) velata compressa Aldrich, 1894b, p. 244 in part, pl. 12, figs. 2, 2a, 2b
Calyptraphorus velatus compressa Aldrich, Harris, 1896, p. 104 in part, pl. 10, figs. 7, 7a, 7b copy Aldrich, 1894b, fig. 8 as *compressus*; Brann and Kent, 1960, p. 159 as *compressus*
Not *Calyptraphorus compressus* Aldrich, Cooke, 1926a, pl. 93, figs. 1a, 1b; not Semmes, 1929, fig. 51-1a, 1b = *Calyptraphorus aldrichi* Gardner, 1935

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, Prairie Creek, Alabama R.; near Allenton (type); Mr. McConnico's plantation, 1½ mi. SW. of Palmer's mill. For Texas, Ark., Tenn., Miss., Ala., Ga. see, Harris, 1896, pp. 104, 105
Types.—Syntypes not in USNM, 1964

Calyptraphorus velatus compressa Aldrich, Aldrich, 1894b in part; Harris, 1896, in part
See *Calyptraphorus aldrichi* Gardner

Calyptraphorus velatus nodovelatus Palmer **Strombidae**

Calyptraphorus velatus nodovelatus Palmer, 1937, p. 243 [*Calytraphorus* typ. error], pl. 32, fig. 1 [*Clayptraphorus* typ. error], figs 2, 3, 5, 9; Shimer and Shrock, 1944, not p. 499 only pl. 205, figs. 1-3 copies Palmer, 1937 Cook Mt. fm.; Brann and Kent, 1960, p. 159 [No. 2973 *Calytraphorus* typ. error]

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon (type)
Types.—Syntypes, Nos. 2973-2976 PRI

Calyptraphorus velatus stamineus (Conrad)
See *Calyptraphorus stamineus* (Conrad)

Calyptraphorus, n. sp. **Strombidae**

Calyptraphorus trinodiferus (?) "var." Conrad, Clark and Martin, 1901, p. 146 in part, pl. 25, figs. 4, 4a
Range.—Paleocene. Aquia fm.
Locality.—MD.: *Charles Co.*, 1 mi. SE. Mason Springs
Type.—Figured specimen, USNM

Calyptraphorus sp. **Strombidae**

Calyptraphorus sp. cf. *C. popenoe* Gardner, Gardner, 1935, p. 271, pl. 24, fig. 5

Range.—Paleocene. Tehuacana mem., Kincaid fm., lower Midway gr.
Localities.—TEXAS: *Limestone Co.*, 3 mi. SW. of Thornton; 2½ mi. and 7½ mi. NW. of Groesbeck
Types.—Figured and unfigured specimens, probably USNM

Calyptraphorus sp. **Strombidae**

Calyptraphorus trinodiferus Conrad, Clark and Martin, 1901, p. 145 in part, pl. 25, fig. 3; Shimer and Shrock, 1944, p. 500 in part, pl. 204, fig. 8 copy Clark and Martin

Range.—Paleocene. Aquia fm.

Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr.

Type.—Figured specimen, USNM

Calyptraphorus sp. **Strombidae**

Calyptraphorus trinodiferus (?) "var." Conrad, Clark and Martin, 1901, p. 146 in part, not pl. 25, figs. 4, 4a; Shimer and Shrock, 1944, p. 500 in part, pl. 204, fig. 7 copy Clark and Martin

Range.—Lower Eocene. Nanjemoy fm.

Locality.—MD.: *Charles Co.*, Popes Cr.

Type.—Unfigured specimen, not found JHU, 1964

Calyptraphorus sp. **Strombidae**

Calyptraphorus sp. Gardner, 1935, p. 271

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Maverick Co.*, 1 mi. NW. of Indio Wells

Type.—Unfigured specimen, probably USNM

Calyptraphorus sp. **Strombidae**

Hippochrenes columbaria ? (De France), Conrad, 1865f, p. 73; Conrad, 1866a, p. 13 *fide* Whitfield, 1892 *Hippocrenes;* Conrad, 1868, p. 732. Not of De France, 1821, p. 181

Calyptraphorus velatus (Conrad), Whitfield, 1892, p. 222 in part, pl. 33, figs. 23-25, not figs. 26, 27

Rostellaria (Hippocrenes) columbaria De France, Aldrich, 1894b, p. 244

Range.—Middle Eocene. Shark R. ml., upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R.

Type.—Figured specimen not found Rutgers, 1965

Cf. **Calyptraphorus** sp. **Strombidae**

Genus and species indet. Gardner, 1935, p. 266, pl. 24, fig. 9 under *Aporrhaidae*

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Caldwell Co.*, 5½ mi. N. of Lockhart

Type.—Figured specimen, probably USNM

Calyptrophorus [*sic*] *Calyptraphorus*

"*Calyptrophorus* [*sic*] *alveata* Con." Aldrich, 1886, p. 44 *nomen nudum.* As *Rostellaria (Calyptrophorus) alveata* Con. Probably error for *velatus.*

Campanile claytonense (Aldrich) **Cerithiidae**

Cerithium claytonense Aldrich, 1894b, p. 246, pl. 13, figs. 1, 1a, 1b
Cerithium (Campanile) claytonense Aldrich, Harris, 1896, p. 105, pl. 10, figs. 10, 11; Cossmann, 1906b, p. 73

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, McConnico's plantation, 1½ mi. SW. Palmer's Mill (probably type *fide* Harris, 1896, p. 105). GA.: *Clay Co.*, Fort Gaines, Chattahoochee R.
Types.—Syntypes, No. 30 GSATC

Cancellaria alvaniopsis Harris *in* Cossmann, 1899b, p. 34 under *Admete (Bonellitia)* = *nomen nudum fide* Palmer, 1937, p. 457

Cancellaria alveata Conrad
See *Sveltia alveata* (Conrad)

Cancellaria annosa Aldrich
See *Bonellitia annosa* (Aldrich)

Cancellaria babylonica I. Lea
See *Trigonostoma babylonicum* (I. Lea)

Cancellaria bastropensis Harris
See *Bonellitia bastropensis* (Harris)

Cancellaria costata I. Lea
See *Trigonostoma gemmatum* (Conrad)

Cancellaria dictyella Cossmann *nomen nudum*
See *Trigonostoma pulcherrimum* (H. C. Lea)

Cancellaria elevata I. Lea
See *Bonellitia (Babylonella) elevata* (I. Lea)

Cancellaria evulsa Brander, Heilprin, 1881. Not Brander, 1766
See *Bonellitia tortiplica* (Conrad)

Cancellaria gemmata Conrad
See *Trigonostoma gemmatum* (Conrad)

Cancellaria Gilberti Aldrich
See *Sveltia gilberti* (Aldrich)

Cancellaria graciloides Aldrich
See *Bonellitia graciloides* (Aldrich)

Cancellaria graciloides Aldrich, Shimer and Shrock, 1944. Not *C. graciloides* Aldrich, 1898
See *Bonellitia*, n. sp.

Cancellaria graciloidea Aldrich "var.", Clark and Martin, 1901
See *Bonellitia*, n. sp.

Cancellaria graciloides "var." *bella* Aldrich
See *Bonellitia graciloides bella* (Aldrich)

Cancellaria impressa Conrad
See *Trigonostoma gemmatum* (Conrad)

Cancellaria jacksonica Cooke
See *Bonellitia jacksonica* (Cooke)

Cancellaria lanceolata Aldrich
See *Cancelrana lanceolata* (Aldrich)

Cancellaria Leai Crosse, 1861
See *Sveltia alveata* (Conrad)

Cancellaria lirata Conrad
See *Trigonostoma gemmatum* (Conrad)

Cancellaria marieana Aldrich
See *Trigonostoma marieanum* (Aldrich)

Cancellaria minuta Harris *in* Kennedy, 1895, p. 130; Deussen, 1914, p. 57; *nomen nudum fide* Palmer, 1937, p. 457

Cancellaria multiplicata I. Lea
See *Trigonostoma gemmatum* (Conrad)

Cancellaria panones Harris
See *Trigonostoma panones* (Harris)

Cancellaria panones junipera Harris
See *Trigonostoma panones juniperum* (Harris)

Cancellaria panones smithvillensis Harris
See *Trigonostoma panones smithvillense* (Harris)

Cancellaria parva I. Lea
See *Sveltella parva* (I. Lea)

Cancellaria pearlensis Meyer and Aldrich
See *Unitas pearlensis* (Meyer and Aldrich)

Cancellaria penrosei Harris
See *Trigonostoma penrosei* (Harris)

Cancellaria ? percostata de Gregorio
See *Sveltella parva* (I. Lea)

Cancellaria plicata I. Lea
See *Trigonostoma gemmatum* (Conrad)

Cancellaria (Narona) potomacensis Clark and Martin
See *Narona (   ) potomacensis* Clark and Martin

Cancellaria priama Harris
See *Sveltia (Aneurystoma) priama* (Harris)

Cancellaria propegemmata de Gregorio
See *Trigonostoma gemmatum* (Conrad)

Cancellaria pulcherrima H. C. Lea
See *Trigonostoma pulcherrimum* (H. C. Lea)

Cancellaria quercollis (Harris)
See *Narona* ( ) *quercollis* (Harris)

Cancellaria quercollis greggi Harris
See *Narona* ( ) *greggi* (Harris)

Cancellaria rudis Whitfield
See cf. *Bonellitia rudis* (Whitfield)

Cancellaria sculptura I. Lea
See *Sveltia alveata* (Conrad)

Cancellaria silvaerupis Harris. Also *Cancellaria sylvaerupis* Harris
See *Bonellitia silvaerupis* (Harris)

Cancellaria silvaerupis ? Harris, Gardner, 1935. Not Harris, 1897a
See *Cancellaria* spp.

Cancellaria sotoensis Aldrich
See *Sveltella sotoensis* (Aldrich)

Cancellaria tera de Gregorio
See *Trigonostoma babylonicum* (I. Lea)

Cancellaria tessellata I. Lea
See *Sveltia alveata* (Conrad)

Cancellaria tortiplica Conrad
See *Bonellitia tortiplica* (Conrad) ?

Cancellaria tortiplica Conrad var. *dubia* Deshayes, de Gregorio, 1890. Not *C. dubia* Deshayes, 1865a
See *Bonellitia tortiplica* (Conrad) ?

Cancellaria tortiplica Conrad "var." *subevulsopsis* de Gregorio
See *Bonellitia tortiplica* (Conrad) ?

Cancellaria turritissima Meyer
See "*Sveltella*" *turritissima* (Meyer)

Cancellaria ulmula Harris
See *Coptostoma ulmulum* (Harris)

Cancellaria sp. Clark and Martin, 1901
See cf. *Sveltia* sp.

"Cancellaria" spp. **Cancellariidae**

Cancellaria silvaerupis Harris ?, Gardner, 1935, p. 229, Not *C. silvaerupis* [*sylvaerupis*] Harris, 1897a

Cancellaria sp. Gardner, *ibid*, p. 229

Range.—Paleocene. Kincaid fm., lower Midway gr.; Mexia mem., Wills Point fm., upper Midway gr.
Localities.—TEXAS: *Bastrop Co.; Williamson Co.* See Gardner for localities
Types.—Unfigured specimens, presumably USNM

Cancelrana finexa (Harris) **Cancellariidae**
Pleurotoma (Taranis) finexa Harris, 1895a, p. 64, pl. 5, fig. 13
Taranis finexa Harris, Casey, 1904, p. 169
Cancelrana finexa (Harris), Palmer, 1937, p. 456, pl. 70, figs. 15, 26, fig. 16 holotype; Wenz, 1943, p. 1368, fig. 3869 copy Palmer; Brann and Kent, 1960, p. 168

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35608 BEG

Cancelrana lanceolata (Aldrich) **Cancellariidae**
Cancellaria lanceolata Aldrich, 1897b, p. 27 text fig.; Harris, 1899a, p. 27, pl. 3, fig. 8; Brann and Kent, 1960, p. 165

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)
Types.—Syntype, No. 8475 ANSP; syntype, No. 639004 USNM

Cancilla millingtoni (Conrad)
See *Fusimitra millingtoni* (Conrad)

Cantharus (Endopachychilus) casteri Palmer **Buccinidae**
Cantharus casteri Palmer, 1937, p. 322, pl. 45, figs. 13, 17; Brann and Kent, 1960, p. 169

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 3100 PRI

Cantharus (Endopachychilus) elegantissimus (Aldrich) **Buccinidae**
Murex elegantissimus Aldrich, 1895b, p. 13, pl. 4, fig. 13
Trophon elegantissimus (Aldrich), Harris, 1899a, p. 62, pl. 8, fig. 3 (type), fig. 6; Brann and Kent, 1960, p. 884

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 638952 USNM

Cantharus (   ) johnsoni (Aldrich) **Buccinidae**
Pisania (Tritonidea) johnsoni Aldrich, 1895b, p. 13, pl. 4, fig. 9
Tritonidea johnsoni (Aldrich), Harris, 1899a, p. 54, pl. 7, fig. 4 drawing type; Cossmann, 1901b, p. 169

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type)
Type.—Holotype, No. 638949 USNM

Cantharus (Endopachychilus) marylandicus (Clark and Martin) **Buccinidae**
Metula marylandica Clark and Martin, 1901, p. 139, pl. 23, fig. 5

Range.—Paleocene. Aquia fm. (type)

Localities.—VA.: *King George Co.*, 2 mi. below Potomac Creek (type); Potomac Creek. MD.: *Charles Co.*, 1 mi. SE. Mason Springs

Type.—Holotype, USNM

Cf. **Cantharus** sp. **Buccinidae**
Fusus sp. Clark, 1895, p. 4; Clark, 1896, p. 67, pl. 11, figs. 6a, 6b

Range.—Paleocene. Aquia fm.

Locality.—VA.: *Stafford Co.*, Aquia Cr.

Type.—Figured specimen not found JHU, 1964

Capulus americanus Conrad **Capulidae**
Capulus americanus Conrad *in* Wailes, 1854, p. 289, pl. 15, figs. 1a, 1b (reprint, 1939, p. 19, pl. 2, figs. 1a, 1b); Conrad, 1856a, p. 259 (reprint, 1939, p. 5); Conrad, 1865a, p. 33; Conrad, 1866a, p. 24; ? Langdon, 1886, p. 205; Harris and Palmer, 1947, p. 263, pl. 32, figs. 8, 12-15; Brann and Kent, 1960, p. 171; Glibert, 1963a, p. 10
Amalthea americana (Conrad), Dall, 1892, p. 358

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Moodys Branch, Jackson; Town Creek, Jackson. LA.: *Grant Par.*, lower and upper beds at Montgomery Ldg., Red R.; ½ mi. below ferry, Montgomery Ldg., Red R.; *Caldwell Par.*, Gibson Ldg., Ouachita R.; ¾ mi. below Gibson Ldg., Ouachita R.; Bunker Hill bluff, Ouachita R.; Wyant [Myatt] Bluff, Ouachita R.; Grandview Bluff, Ouachita R.; *Vernon Par.*, Bayou Toro, SE. ¼ NW. ¼ sec. 6, T. 3 N., R. 11 W. TEXAS: *Sabine Par.*, ½ mi. below Robinson's Ferry, opposite center sec. 6, T. 3 N., R. 12 W.

Types.—"Holotype" No. 13193 ANSP = lectotype specimen figured. Two syntypes originally, Moore, 1962, p. 38

Capulus complectus Aldrich
See *Capulus expansus* (Whitfield)

Capulus expansus (Whitfield) **Capulidae**
Velutina (Otina) expansa Whitfield, 1865, p. 265, pl. 27, figs. 14, 15; Whitfield, 1899, p. 177
Leptonotis expansa (Whitfield), Conrad, 1866b, p. 76; Cossmann, 1893, p. 27
Velutina (Leptonotis) expansa Whitfield, Tryon, 1883b, p. 208, pl. 64, figs. 68, 69; de Gregorio, 1890, p. 151, pl. 15, figs. 16, 17 copies Whitfield
Capulus complectus Aldrich, 1886, p. 34 in part, ? Lisbon, pl. 6, figs. 1, 1a; de Gregorio, 1890, p. 145, pl. 14, figs. 23a, 23b copies Aldrich expl. of pl. incorrect, not pl. 7 as in text; Cossmann, 1893, p. 26
Veluteria [*sic*] *expansa* Whitfield, Aldrich, 1887, p. 81

Calyptraea trochiformis Lamarck, Dall, 1892, p. 352 in part referred to *Velutina expansa* Whitfield; Dall, 1915, p. 103 in part referred to *Velutina expansa* Whitfield.
Cf. *Amalthea complecta* (Aldrich), Dall, 1892, p. 359
Capulus expansus (Whitfield), Harris, 1899a, p. 83, [? Lisbon], pl. 11, figs. 11, 12; Palmer, 1937, p. 150; Brann and Kent, 1960, p. 171

Range.—Lower Eocene. Nanafalia fm., lower Wilcox [Sabine] gr.; Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigee fm., upper Wilcox [Sabine] gr. Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, "6 mi. below Prairie Bluff in sand" Whitfield type = Bells Ldg., Alabama R. see Harris, 1899a, p. 84; Greggs Ldg., Alabama R. *Clarke Co.*, Woods Bluff, Tombigbee R.; Thomasville; *Marengo Co.*, Nanafalia Ldg., Tombigbee R.; NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.; ? *Monroe Co.*, Lisbon Bluff, Alabama R.
Types.—Syntypes (17), No. UC 24504 CNHM. *Capulus complectus* Aldrich syntypes, No. 638784 USNM (pl. 6, fig. 1 Woods Bluff); No. 638785 USNM (fig. 1a Hatchetigbee)

Capulus pygmeus [*sic*] (I. Lea)
See *Hipponix pygmaeus* I. Lea

Caricella bolaris (Conrad) **Volutidae**

Mitra bolaris Conrad, 1833b, p. 34 [not illustrated] (Harris reprint, 1893, p. 56); Conrad, 1835a, p. 43, pl. 16, fig. 11 (Harris reprint, 1893, p. 99, pl. 16, fig. 11); H. C. Lea, 1849, p. 101; Harris, 1895b, p. 8
Mitra Flemingii I. Lea, 1833, p. 170, pl. 6, fig. 177; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 19 = *M. bolaris* Conrad
Mitra Humboldtii I. Lea, 1833, p. 170, pl. 6, fig. 178; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 22 = *M. bolaris* Conrad
Turbinella bolaris (Conrad), Conrad, App. *in* Morton, 1834, p. 6
Caricella bolaris (Conard), Conrad, 1846a, p. 21; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Cossmann, 1899b, p. 130; Palmer, 1937, p. 393, pl. 64, figs. 1, 2, 5, 6; Brann and Kent, 1960, p. 179; Glibert, 1960a, p. 64
Mitra polaris [*sic*] Conrad, Tuomey, 1858, p. 266
Caricella Flemingii (I. Lea), Conrad, 1865a, p. 24; Conrad, 1866a, p. 16
Voluta (Caricella) pyruloides (Conrad), de Gregorio, 1890, p. 67 in part, pl. 5, fig. 17 copy *V. Humboldtii* I. Lea, fig. 18 copy *V. Flemingii* Lea; Cossmann, 1893, p. 39 in part as *piruloides*
Voluta (Caricella) pyruloides (Conrad) var. *bolaris* (Conrad), de Gregorio, 1890, p. 67, pl. 5, fig. 13, fig. 14 copy Conrad; Cossmann, 1899b, p. 130
Voluta (Caricella) pyruloides (Conrad) var. *sita* de Gregorio, 1890, p. 68, pl. 5, figs. 15, 16

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, No. 14262 ANSP, Moore, 1962, p. 43. Lectotype, *Mitra Flemingii* I. Lea, No. 5876 ANSP. Holotype, *Mitra Humboldtii* I. Lea, No. 5878. Holotype *Voluta pyruloides sita* de Gregorio, De Gregorio Coll., No. 26435 PRI

Caricella (Voluta) Bandoni Deshayes, Heilprin, 1881, 1884b. Not Deshayes, 1865b, p. 584
See *Caricella heilprini* Dall

Caricella cherokeensis Harris **Volutidae**

Caricella subangulata Conrad var. *cherokeensis* Harris, 1895a, p. 68, pl. 6, fig. 10

Caricella subangulata cherokeensis Harris, Palmer, 1937, p. 396, pl. 63, figs. 5 holotype, 8; Brann and Kent, 1960, p. 182

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Cherokee Co.*, W. Lewis house on Old San Antonio rd., 2 mi. E. of Alto (type) [locality never recovered, *fide* Stenzel, Krause, and Twining, 1957, p. 163]; *Bastrop Co.*, S. bank Colorado R. about 200 yds. W. of bridge at Smithville; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City

Type.—Holotype, No. 35604 BEG

Caricella claibornensis Harris **Volutidae**

Caricella claibornensis Harris *in* Dana, 1895, p. 897, fig. 1489; Harris, 1895b, p. 49, pl. 1, fig. 3; not Schuchert, *et al.*, 1905, p. 133 = *C. doliata* (Conrad); Palmer, 1937, p. 396, pl. 64, figs. 3, 4; Brann and Kent, 1960, pp. 179, 180

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype formerly Geol. Dept. Univ. of Texas, Austin probably lost *fide* Palmer, 1937, p. 397. No. 113843 USNM is not holotype of *C. claibornensis* = *C. doliata* Conrad *fide* Palmer, 1937, p. 397

Caricella Cooperi (I. Lea)
See *Caricella doliata* (Conrad)

Caricella demissa Conrad, Cossmann, 1899b, p. 130 age incorrect = Oligocene not Eocene

Caricella demissa Conrad "var." **Volutidae**

Scaphella demissa (Conrad) "var." Harris, 1899a, p. 36, pl. 4, figs. 6, 7; Brann and Kent, 1960, p. 782

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.

Types.—Figured specimens, Nos. 264, 265 PRI

Caricella demissa texana (Gabb) **Volutidae**

Cymbiola texana Gabb, 1860d, p. 382, pl. 67, fig. 33

Caricella demissa Harris *in* Lerch, 1892, p. 29

Caricella demissa Conrad "var." *texana* (Gabb), Harris, 1895a, p. 68, pl. 6, fig. 9

Caricella demissa texana (Gabb), Palmer, 1937, p. 395, pl. 65, figs. 8 copy Harris, 14, 15; Brann and Kent, 1960, p. 180

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Robertson Co.*, Town Branch of Cedar Cr., near Wheelock (type). LA.: *Bienville Par.*, Hammetts Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon (type)
Type.—Holotype not found *fide* Palmer, 1937, p. 396

Caricella doliata (Conrad) **Volutidae**

Mitra doliata Conrad, 1833b, p. 34 (Harris reprint, 1893, p. 56); H. C. Lea, 1849, p. 101; Harris, 1895b, p. 16

Turbinella prisca Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 6; Harris, 1895b, p. 36 (=*Mitra doliata* Conrad)

Voluta Cooperii I. Lea, 1833, p. 175, pl. 6, fig. 185; H. C. Lea, 1849, p. 107; Cossmann, 1893, p. 38; Harris, 1895b, p. 13 (=*M. doliata* Conrad)

Voluta prisca (Conrad), Conrad, 1835a, p. 43, pl. 16, fig. 9 (Harris reprint, 1893, p. 99, pl. 16, fig. 9); Harris, 1895b, p. 36

Caricella doliata (Conrad), Conrad, 1846a, p. 22; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Cossmann, 1899b, p. 130; Palmer, 1937, p. 391, pl. 64, figs. 9-11; pl. 89, fig. 11 type, Conrad; Brann and Kent, 1960, p. 180; Glibert, 1960a, p. 64

Voluta (Caricella) Cooperi (I. Lea), de Gregorio, 1890, p. 66, pl. 5, figs. 8, 9 copies Lea

Voluta cogitabunda de Gregorio, 1890, p. 66, pl. 5, figs. 10, a, b, c

Caricella Cooperi (I. Lea), Cossmann, 1899b, p. 130

Caricella prisca (Conrad), Cossmann, 1899b, p. 130

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype ? + remaining specimens, No. 14264 ANSP Moore, 1962, p. 55. Holotype *Voluta Cooperii* I. Lea, No. 5887 ANSP. Type *Turbinella prisca* Conrad missing ANSP Moore, 1962, p. 89. Syntypes *Voluta cogitabunda* de Gregorio, No. 26428 PRI De Gregorio Coll.

Caricella Flemingii I. Lea
See *Caricella bolaris* (Conrad)

Caricella heilprini Dall **Volutidae**

Caricella (Voluta) Bandoni [*sic*] Deshayes, Heilprin, 1881, pp. 368, 373, pl. 20, fig. 15. Not *Voluta Baudoni* Deshayes, 1865b, p. 584, pl. 102, figs. 13, 14

Turbinella Bandoni [*sic*] (Deshayes), Heilprin, 1884b, p. 93

Turbinella (Caricella) Bandoni [*sic*] (Deshayes), Aldrich, 1886, p. 51

Scaphella (Caricella) heilprini Dall, 1890, p. 88

Voluta (Caricella) Baudoni Deshayes, de Gregorio, 1890, p. 68

Scaphella heilprini Dall, Harris, 1899a, p. 36, pl. 4, fig. 5; Brann and Kent, 1960, p. 782

Caricella heilprini Dall, Cossmann, 1899b, p. 130

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Knights Branch, Bashi Cr. (type); Woods Bluff, Tombigbee R.; *Choctaw Co.*, 4 mi. S. of Mt. Sterling
Type.—Unknown.

Caricella howei Palmer **Volutidae**

Caricella howei Palmer *in* Harris and Palmer, 1947, p. 396, pl. 54, figs. 7, 8; Brann and Kent, 1960, p. 180

Range.—Upper Eocene. Moodys Branch fm. (type) lower Jackson gr.; Danville Ldg. beds, uppermost Claiborne gr.
Localities.—LA.: *Caldwell Par.*, Bunker Hill, Ouachita R. (type); *Catahoula Par.*, Danville Ldg., Ouachita R.; *Grant Par.* Montgomery Ldg. and ½ mi. below ferry, Montgomery Ldg., Red R.
Types.—Holotype, No. 4757; paratype, No. 4758 PRI

Caricella leana Dall **Volutidae**

Scaphella (Caricella) leana Dall, 1890, p. 86, pl. 6, fig. 9; Schuchert, *et al.*, 1905, p. 586
Caricella leana Dall, Harris, 1896, p. 80, pl. 7, fig. 20; Cossmann, 1899b, p. 130; Palmer, 1937, p. 396; Brann and Kent, 1960, p. 180

Range.—Paleocene. Clayton fm. (type), lower Midway gr.; Naheola fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.;* Dales Branch, near Oak Hill; Prairie Creek (type)
Type.—Holotype, No. 111802 USNM

Caricella lelia (Whitfield) **Volutidae**

Voluta Lelia Whitfield, 1892, p. 207, pl. 30, figs. 1-3; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Not found Rutgers, 1965

Cf. **Caricella ludoviciana** (Harris) **Volutidae**

Leiostoma ? ludoviciana Harris, 1899b, p. 299, pl. 52, fig. 8

Range.—Lower Eocene. Marthaville fm. (type), lower Wilcox [Sabine] gr.
Locality.—LA.: *Sabine Par.*, Raines' place, about 6 mi. WSW. Marthaville, near Rocky Spring Church (type)
Type.—Lost

Caricella obsoleta Palmer **Volutidae**

Caricella obsoleta Palmer *in* Richards and Palmer, 1953, p. 36, pl. 3, figs. 9-13

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holoytpe, No. I-7622; paratypes, Nos. I-7623, I-7624, Fla. Geol. Sur.

Caricella plicata Whitfield **Volutidae**

Caricella plicata Whitfield, 1892, p. 182, pl. 23, figs. 1, 2; Whitfield, 1899, p. 168; Weller, 1907, p. 772, pl. 91, figs. 7-8 type

Range.—Lower Eocene. Manasquan fm. (type)

Locality.—N.J.: *Monmouth Co.*, Farmingdale (type)

Type.—Rutgers

Caricella podagrina Dall **Volutidae**

Caricella podagrina Dall, 1890, p. 86; Dall, 1892, p. 228, pl. 20, fig. 9 as *Scaphella (Caricella) podagrina;* Harris, 1897a, p. 479, pl. 23, fig. 2; Harris, 1899a, p. 37, pl. 4, fig. 8; Cossmann, 1899b, p. 130; Schuchert, *et al.*, 1905, p. 133 not Garland Creek, Miss.; Palmer, 1937, p. 391

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R.

Types.—Syntypes, No. 90967 USNM (not No. 11814 USNM as in Schuchert, *et al.*, 1905, p. 133)

Caricella polita Conrad **Volutidae**

Caricella polita Conrad *in* Wailes, 1854, p. 289, pl. 16 [17], fig. 4 (reprint, 1939, p. 19, pl. 3, fig. 4); Conrad, 1856a, p. 261 (reprint, 1939, p. 7); Conrad, 1865a, p. 24; Conrad, 1866a, p. 25; Cossmann, 1899b, p. 130; Harris and Palmer, 1947, p. 394, pl. 54, figs. 1, 2, 4, 9, 14; figs. 6, 11 lectotypes; Brann and Kent, 1960, pp. 180, 181

Caricella pyruloides polita Conrad, Dall, 1890, p. 88; Palmer, 1937, p. 391, pl. 63, figs. 4, 7; Brann and Kent, 1960, p. 181

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr. and Moodys Branch, Jackson

Type.—Lectotype, No. 13209 ANSP, Moore, 1962, p. 88

Caricella ponderosa Whitfield **Volutidae**

Caricella ponderosa Whitfield, 1892, p. 206, pl. 29, figs. 7, 8; Whitfeld, 1899, p. 168

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Type.—Holotype not found Rutgers, 1965

Caricella praetenuis (Conrad) **Volutidae**

Turbinella praetenuis Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 44, pl. 17, fig. 1 (Harris reprint, 1893, p. 100, pl. 17, fig. 1); H. C. Lea, 1849, p. 106; Harris, 1895b, p. 36

Voluta striata I. Lea, 1833, p. 174, pl. 6, fig. 183; H. C. Lea, 1849, p. 107; de Gregorio, 1890, p. 69, pl. 5, fig. 66 copy Lea in subg. *Caricella;* Harris 1895b, p. 43 = *Turbinella praetenuis* Conrad

Caricella praetenuis (Conrad), Conrad, 1846a, p. 22; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Tryon, 1882a, p. 67, pl. 3, fig. 35; Palmer 1937, p. 394, pl. 64, figs. 7, 8; pl. 89, fig. 8 type *V. striata* I. Lea; Brann and Kent, 1960, p. 181

Turbinella (Caricella) praetenuis Conrad, Tryon, 1883b, p. 161, pl. 52, fig. 2

Voluta (Caricella) praetenuis (Conrad), de Gregorio, 1890, p. 69, pl. 5, fig. 20 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype + 4 specimens No. 14263 ANSP, Moore, 1962, p. 89. Holotype *Voluta striata* I. Lea, No. 5885 ANSP

Caricella prisca (Conrad)
See *Caricella doliata* (Conrad)

Caricella pyruloides (Conrad) **Volutidae**

Turbinella pyruloides Conrad, 1832b, p. 24, pl. 10, fig. 1 (Harris reprint, 1893, p. 42, pl. 10, fig. 1); Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 106; Tuomey, 1858, pp. 267, 274; Harris, 1895b, p. 38

Voluta Parkinsonii I. Lea, 1833, p. 175, pl. 6, fig. 184 immature shell; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 32 (= *T. pyruloides)*

Caricella pyruloides (Conrad), Conrad, 1835a, p. 44 (Harris reprint, 1893, p. 100); Conrad, 1846a, p. 22; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Dall, 1890, p. 78; cf. Whitfield, 1892, p. 205, pl. 29, figs. 1-6; Cossmann, 1889b, p. 130, pl. 5, figs. 7, 8 *piruloides;* not Clark and Martin, 1901, p. 131, pl. 21, figs. 7, 8 = *Caricella* sp.; Davies, 1935, p. 304, fig. 454; Palmer, 1937, p. 390, pl. 63, figs. 1-3, 6, 9-12; pl. 89, fig. 3 type *V. parkinsonii* I. Lea; Wenz, 1943, p. 1352, fig. 3828 copy Palmer; Shimer and Shrock, 1944, p. 508, pl. 209, fig. 8 copy Conrad; Brann and Kent, 1960, p. 181; Glibert, 1960a, p. 64

Voluta (Caricella) pyruloides (Conrad), de Gregorio, 1890, p. 67 in part, pl. 5, fig. 19 copy *V. parkinsonii* I. Lea, figs. 24-28a, 28b, [fig. 29 lacking], figs. 30, 31 copies Conrad; pl. 13, figs. 7a, 7b not 6 as in text

Voluta piruloides (Conrad), Cossmann, 1893, p. 39 in part, see also *C. bolaris*

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). S.C.: *Orangeburg Co.*, Orangeburg district

Types.—Lectotype + 4 specimens, No. 14259 ANSP, Moore, 1962, p. 91. Holotype *Voluta parkinsonii* I. Lea, No. 5886 ANSP

? *Caricella pyruloides* (Conrad), Clark and Martin, 1901. Not Conrad, 1832b
See *Caricella* sp.

Caricella pyruloides (Conrad) "var." *bolaris* (Conrad)
See *Caricella bolaris* (Conrad)

Caricellla pyruloides polita Conrad
See *Caricella polita* Conrad

Caricella pyruloides sita de Gregorio
See *Caricella bolaris* (Conrad)

Caricella reticulata Aldrich, Heilprin, 1891a. Not Aldrich, 1885a, Oligocene
See *Athleta dalli* (Harris)

Caricella reticulata stenzeli Palmer
See *Caricella stenzeli* Palmer

Caricella showalteri (Aldrich)
See *Scaphella showalteri* (Aldrich)

Caricella stenzeli Palmer **Volutidae**

Caricella reticulata stenzeli Palmer, 1937, p. 397, pl. 65, figs. 17-20; Brann and Kent, 1960, p. 182; Glibert, 1960a, p. 64 Mississippi, not Missouri

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, 2 mi. NE. of Newton on route 15; Hickory; *Clarke Co.*, Wautubbee (type). TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. LA.: *Sabine Par.*, Fisher. ALA.:—*Monroe Co.*, Lisbon Bluff, Alabama R.

Types.—Syntypes, Nos. 3240, 3242, 3243 PRI

Caricella subangulata Conrad **Volutidae**

Caricella subangulata Conrad *in* Wailes, 1854, p. 289, pl. 15, fig. 8 (reprint, 1939, p. 19, pl. 2, fig. 8); Conrad, 1856a, p. 261 (reprint, 1939, p. 7); Conrad, 1865a, p. 24; Conrad, 1866a, p. 25; Cossmann, 1899b, p. 130; Harris and Palmer, 1947, p. 395, pl. 54, figs. 10, 13; figs. 12, 15 lectotype; Brann and Kent, 1960, p. 182

Scaphella (Caricella) subangulata Conrad, Dall, 1890, p. 87, pl. 6, fig. 11; Schuchert, *et al.*, 1905, p. 586

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Moodys Branch, Jackson; Town Cr., Jackson; *Clarke Co.*, Garland Cr.; 4 mi. NE. of Shubuta and ½-1 mi. below old bridge site. LA.: *Grant Par.*, Montgomery Ldg., ½ mi. below ferry, lower layer, Red R. ARK.: *St. Francis Co.*, Crow Cr., at bridge; *Cleveland Co.*, Vince Ferry, Saline R.

Type.—Lectotype, No. 13208 ANSP, Moore, 1962, p. 98

Caricella subangulata "var." *cherokeensis* Harris
See *Caricella cherokeensis* Harris

Caricella turneri Palmer **Volutidae**

Caricella turneri Palmer *in* Harris and Palmer, 1947, p. 396, pl. 54, figs. 3, 5; Brann and Kent, 1960, p. 182

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., ½ mi. below ferry, Red R. (type); *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.
Types.—Holotype, No. 4760; paratype, No. 4761 PRI

Caricella vesta (Whitfield) **Volutidae**
Voluta (Amoria) vesta Whitfield, 1892, p. 210, pl. 32, figs. 4-6; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, No. 9749/1 AMNH

Caricella sp. **Volutidae**
Caricella sp. Clark, 1895, p. 14; Clark, 1896, p. 66, pl. 11, fig. 1
? *Caricella pyruloides* Conrad, Clark and Martin, 1901, p. 131, pl. 21, fig. 7, fig. 8 copy Clark, 1896

Range.—Paleocene. Aquia fm.
Localities.—VA.: *Stafford Co.*, Aquia Cr.; *King George Co.*, Potomac Cr. MD.: *Charles Co.*, Liverpool Point
Types.—Figured specimens, USNM

Caricella sp. **Volutidae**
Caricella sp. Kellum, 1926, p. 31, pl. 7, fig. 1

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Localities.—N.C.: *New Hanover Co.*, Wilmington; *Pender Co.*, Old Rocky Point
Type.—Figured specimen, No. 353245 USNM

Caricella sp. **Volutidae**
Caricella sp. Palmer, 1937, p. 398, pl. 61, fig. 1; Brann and Kent, 1960, p. 182

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Locality.—MISS.: *Clarke Co.*, Wautubbee
Type.—Figured specimen, No. 3198 PRI

Casmaria nupera (Conrad)
See *Doliocassis nupera* (Conrad)

Cassidaria brevidentata Aldrich "var."
See *Galeodea koureos* Gardner

Cassidaria carinata Lamarck, Whitfield, 1892. Not Lamarck, 1822
See *Galeodea (Mambrinia)*, n. sp.

Cassidaria dubia Aldrich
See *Galeodea dubia* (Aldrich)

Cassidaria petersoni (Conrad)
See *Galeodea petersoni* (Conrad)

Cassidaria planotecta (Meyer and Aldrich)
See *Galeodea planotecta* (Meyer and Aldrich)

Cassidaria triserialis (Whitfield)
See *Priscoficus triserialis* (Whitfield)

Cassidea globosa (Dall)
See *Phalium globosum* Dall

Cassidea (Semicassis) nupera Conrad
See *Doliocassis nuperus* (Conrad)

Cassidea (Doliocassis) Sowerbyi (I. Lea)
See *Doliocassis nuperus* (Conrad)

Cassidula alveata (Conrad)
See *Lacinia alveata* (Conrad)

Cassis brevicostatum Conrad
See *Phalium brevicostatum* (Conrad)

Cassis coelatura Conrad
See *Phalium globosum* Dall

Cassis (Phalium) globosum Dall
See *Phalium brevicostatum* (Conrad)
See also *Phalium globosum* Dall

Cassis nuperus Conrad
See *Doliocassis nuperus* (Conrad)

Cassis Sowerbyi (I. Lea)
See *Doliocassis nuperus* (Conrad)

Cassis taitii Conrad
See *Phalium taitii* (Conrad)

Cassis (Phalium) taitii Conrad, Johnson, 1899 in part
See *Phalium taitii johnsoni* Palmer
See also *Phalium taitii* (Conrad)

Cassis ? sp. Kellum, 1926
See *Ficus* sp.

Catinus arctatus (Conrad)
See *Sinum arctatum* (Conrad)

Catinus bilix (Conrad)
See *Sinum bilix* (Conrad)

Catinus bilix "var." *declivis* (Conrad)
See *Sinum declive* (Conrad)

Catinus declivis (Conrad)
See *Sinum declive* (Conrad)

Cavoscala annulata (Morton)
See *Epitonium annulatum* (Morton)

Celatoconus crassus Cossmann *nomen nudum*
See *Astyris crassus* Chavan *in* Palmer

Celatoconus gracilis (Johnson)
See *Metula gracilis* Johnson

Celatoconus sylvaerupis (Harris)
See *Metula sylvaerupis* Harris

Cerithidea agnota de Gregorio
See *Cerithium (Cerithidea) agnotum* de Gregorio

Cerithidea inopinata Cossmann *nomen nudum*
See *Potamides (Cerithidea) inopinatus* Cossmann *nomen nudum*

Cerithidea vetusta (Conrad)
See *Mesalia vetusta* (Conrad)

Cerithiella aldrichi (Meyer), not Oligocene
See *Cerithiella* spp.

Cerithiella ? bicostellata (Conrad) **Cerithiopsidae**
Cerithium bicostellatum Conrad, 1848a, p. 298; Conrad, 1848b, p. 129
Cerithiopsis bicostellatus (Conrad), Conrad, 1865a, p. 29
Cleidomera ? bicostellata (Conrad), Conrad, 1866a, p. 14
Cerithiella ? bicostellata (Conrad), Palmer, 1937, p. 221

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Calhoun Co.*, "St. Matthew's Parish, Orangeburg District" (type)
Type.—Missing Moore, 1962, p. 42

Cerithiella chamberlaini (Johnson) **Cerithiopsidae**
Potamides (Telescopium) chamberlaini Johnson, 1899, p. 80, pl. 2, fig. 11

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type)
Type.—Holotype, No. 8518 ANSP

Cerithiella delicatula (Aldrich) **Cerithiopsidae**
Cerithium delicatulum Aldrich, 1897a, p. 13, pl. 1, fig. 9; Harris, 1899a, p. 72, pl. 9, fig. 5 holotype

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638991 USNM

Cerithiella fluviatilis (Aldrich) **Cerithiopsidae**
Cerithiopsis fluviatilis Aldrich 1897a, p. 12, pl. 1, fig. 3; Harris, 1899a, p. 72, pl. 9, fig. 7; Cossmann, 1906b, p. 146

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)
Type.—Holotype, No. 638986 USNM

Cerithiella heckscheri Palmer **Cerithiopsidae**

Cerithiella heckscheri Palmer, 1937, p. 227, pl. 29, figs. 1, 5, 6, 13, 14; Brann and Kent, 1960, pp. 186, 187; Glibert, 1962b, p. 222

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Wautubbee (holotype and 2 paratypes); *Newton Co.*, Hickory (paratype); 2 mi. NE. of Newton on route 15
Types.—Holotype, No. 2942; paratypes, Nos. 2941, 2943, 2944 PRI

Cerithiella jacksonensis (Meyer) **Cerithiopsidae**

Cerithiopsis Jacksonensis Meyer, 1886b, p. 71, pl. 2, fig. 13
Cerithiopsis (Lovenella) Jacksonensis Meyer, Dall, 1892, p. 270 not young of *C. nassula* (Conrad) as in Dall
Newtoniella Jacksonensis (Meyer) Cossmann, 1893, p. 31
Cerithiella jacksonensis (Meyer), Palmer, 1937, p. 225; Harris and Palmer, 1947, p. 305, pl. 39, fig. 5, fig. 6 copy Meyer; Brann and Kent, 1960, p. 187

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Caldwell Par.*, ½ mi. below Gibson Ldg., Ouachita R.
Type.—Holotype, No. 638824 USNM

Cerithiella nassula (Conrad) **Cerithiopsidae**

Cerithium nassula Conrad, 1834, p. 156; Conrad, 1848b, p. 132, pl. 14, fig. 29; H. C. Lea, 1849, p. 98; Harris, 1895b, p. 29
Cerithiopsis nassula (Conrad), Conrad, 1865a, p. 29
Cleidomera nassula (Conrad), Conrad, 1866a, p. 14
Cerithium (Cerithiopsis) nassula (Conrad), de Gregorio, 1890, p. 119 in part, pl. 10, fig. 26b not 26 (error in text 26a in place of 25 for *C. aldrichi)* not fig. 26a ("25") (= *C. aldrichi* Meyer)
Cerithiopsis (Lovenella) nassula (Conrad), Dall, 1892, p. 270; Aldrich, 1897a, p. 11
Newtoniella nassula (Conrad), Cossmann, 1893, p. 31
Cerithiopsis conica Aldrich, 1897a, p. 12, pl. 1, fig. 4 young; not Harris, 1899a, p. 73, pl. 9, fig. 8
Newtoniella conica (Aldrich), Cossmann, 1906b, p. 153
Cerithiella nassula (Conrad), Palmer, 1937, p. 224 in part, cf. pl. 29, figs. 3, 9; pl. 83, fig. 2 type; cf. Brann and Kent, 1960, p. 187

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); White's marl bed; *Washington Co.*, Bakers Bluff and near St. Stephens on Tombigbee R. Cf. MISS.: *Newton Co.*, Hickory 2 mi. NE. of Newton on route 15; *Clarke Co.*, Wautubbee
Type.—Holotype, No. 15734 ANSP Moore, 1962, p. 79

Cerithiella ouachitensis Palmer **Cerithiopsidae**

Cerithiella ouachitensis Palmer *in* Harris and Palmer, 1947, p. 306, pl. 39, fig. 10; Brann and Kent, 1960, p. 187

Range.—Upper Eocene. Tullos mem. (type), Yazoo cl., lower Jackson gr.
Locality.—LA.: *Caldwell Par.*, ½ mi. below Gibson Ldg., Ouachita R. (type)
Type.—Holotype, No. 4617 PRI

Cerithiella preconica Palmer **Cerithiopsidae**
Cerithiella preconica Palmer, 1937, p. 227, pl. 29, figs. 4, 8; Brann and Kent, 1960, p. 187

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; Gosport sd., uppermost Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Wautubbee (type). ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Types.—Holotype, No. 2948; paratype, No. 2947 PRI

Cerithiella regularoides (Aldrich) **Cerithiopsidae**
Cerithiopsis regularoides Aldrich, 1907, p. 9, pl. 1, fig. 7

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville (type)
Type.—Holotype, No. 639044 USNM

Cerithiella terebropsis (Harris) **Cerithiopsidae**
Cerithiopsis terebropsis Harris, 1899a, p. 73, pl. 9, fig. 9; Cossmann, 1906b, p. 146; Brann and Kent, 1960, p. 188
Cerithiella terebropsis (Harris), Le Blanc, 1942⁺, p. 108, pl. 14, fig. 1

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.
Type.—Holotype, No. 294 PRI

Cerithiella sp. **Cerithiopsidae**
Cerithiopsis conica Aldrich, Harris, 1899a, p. 73, pl. 9, fig. 8 not Aldrich, 1897a, p. 12; Brann and Kent, 1960, p. 187

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Figured specimen, No. 293 PRI

Cerithiella spp. **Cerithiopsidae**
Cerithiopsis aldrichi Meyer, Meyer and Aldrich, 1886, p. 48 in part; Dall, 1892, p. 270
Cerithiella aldrichi (Meyer), Harris and Palmer, 1947, p. 305 in part. Not *C. aldrichi* Meyer, 1886b, p. 71 Oligocene

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd., uppermost Claiborne gr. Upper Eocene. Moodys Br. fm., lower Jackson gr.

Localities.—ALA.: *Clarke Co.*, Wautubbee; *Newton Co.*, Newton; *Monroe Co.*, Claiborne Bluff, Alabama R. MISS.: *Hinds Co.*, Jackson.

Types.—Unfigured specimens, unknown. Specimens from Newton, Wautubbee, Miss., Claiborne, Alabama, and Jackson, Miss., were included in the species by Meyer, 1886b, and Meyer and Aldrich, 1886. The type was from the Oligocene at Red Bluff, Hiwanee, Wayne Co., Miss. The extraneous specimens are not available so that we have listed them as possibly more than one species.

Cerithioderma (Mesostoma) lisbonense Aldrich
See *Cerithioderma primum* Conrad

Cerithioderma primum Conrad **Trichotropidae**

Cerithioderma prima Conrad, 1860, p. 295, pl. 47, fig. 30; Conrad, 1866a, p. 14; Dall, 1889, p. 269; Dall, 1892, p. 293; Cossmann, 1893, p. 30; Aldrich, 1895b, p. 15, pl. 1, fig. 10 in subg. *Mesostoma;* Cossmann, 1906b, p. 191, pl. 4, fig. 30 *primum;* Palmer, 1937, p. 213, pl. 28, figs. 2, 3; Wenz, 1940, p. 892, fig. 2623 copy Conrad *primum;* Brann and Kent, 1960, p. 187.

Mesostoma rugosa Heilprin, 1879a, p. 215, pl. 13, fig. 13; Heilprin, 1879b, p. 225; Meyer, 1887a, p. 18; de Gregorio, 1890, p. 120

Cerithium (Cerithioderma) primum Conrad, Tryon, 1883b, p. 247, pl. 69, fig. 51; de Gregorio, 1890, p. 118

Mesostoma lisbonensis Aldrich ms *in* Dall, 1892, p. 293; Aldrich, 1895b, pl. 1, fig. 10 on plate as *Cerithioderma*

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R.

Types.—Lectotype, + 2 specimens, No. 15735 ANSP Moore, 1962, p. 89. Holotype *M. rugosa* Heilprin, No. 10297/1 Cat. No. 5552/1 AMNH

Cerithioderma spirata Meyer
See *Litiopa spirata* (Meyer)

Cerithiopsis aldrichi Meyer, 1886b, in part. Not *C. aldrichi* Meyer, 1886b Oligocene
See *Cerithiella* spp.

Cerithiopsis bicostellatus (Conrad)
See *Cerithiella bicostellata* (Conrad)

Cerithiopsis claibornensis (Conrad)
See "*Cerithium*" *claibornense* Conrad

Cerithiopsis conica Aldrich
See *Cerithiella nassula* (Conrad)

Cerithiopsis conica Aldrich, Harris, 1899a. Not Aldrich, 1897a
See *Cerithiella* sp.

Cerithiopsis constricta (H. C. Lea)
See *Seila constricta* (H. C. Lea)

Cerithiopsis constricta (H. C. Lea), Meyer, 1887a, p. 15 not p. 8. Not H. C. Lea, 1841, p. 100
See *Seila* sp.

Cerithiopsis ? dalli Aldrich **Cerithiopsidae**

Cerithiopsis dalli Aldrich, 1897a, p. 11, pl. 1, figs. 5, 5a; Cossmann, 1906b, p. 146

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Cr. fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type)
Type.—Holotype, No. 638982 USNM

Cerithiopsis estellensis Aldrich
See *Bittium (Bittium) estellense* (Aldrich)

Cerithiopsis fluviatilis Aldrich
See *Cerithiella fluviatilis* (Aldrich)

Cerithiopsis greggiensis Aldrich **Cerithiopsidae**

Cerithiopsis greggiensis Aldrich, 1911, p. 9, pl. 3, fig. 5

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 639127 USNM

Cerithiopsis jacksonensis Meyer
See *Cerithiella jacksonensis* (Meyer)

Cerithiopsis nassula (Conrad)
See *Cerithiella nassula* (Conrad)

Cerithiopsis nassula Conrad, de Gregorio, 1890
See *Cerithiella nassula* (Conrad)
See also *Cerithiella aldrichi* (Meyer)

Cerithiopsis quadristriaris Meyer and Aldrich
See *"Seila" quadristriaris* (Meyer and Aldrich)

Cerithiopsis regularoides Aldrich
See *Cerithiella regularoides* (Aldrich)

Cf. **Cerithiopsis solitaria** (Conrad) **Cerithiopsidae**

Cerithium solitarium Conrad, 1834, p. 147; Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1848b, p. 132, pl. 14, fig. 28; H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 368; de Gregorio, 1890, p. 118, pl. 10, fig. 28 copy Conrad; Dall, 1892, p. 271; Harris, 1895b, p. 42
Cerithiopsis solitaria (Conrad), Conrad, 1865a, p. 29
Cleidomera solitaria (Conrad), Conrad, 1866a, p. 14
"Cerithium" solitarium Conrad, Palmer, 1937, p. 215, pl. 28, fig. 5; pl. 83, fig. 4 type; Brann and Kent, 1960, p. 190

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Lectotype, No. 15725 ANSP Moore, 1962, p. 96

Cerithiopsis terebropsis Harris
See *Cerithiella terebropsis* (Harris)

"Cerithium (Cerithidea)" agnotum de Gregorio

Cerithium (Cerithidea) agnotum de Gregorio, 1890, p. 117, pl. 10, fig. 24; Dall, 1892, p. 277 suggested *Pseudomelania;* Palmer, 1937, p. 222 suggested *Mesalia,* not normal

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type)

Type.—Holotype, formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Cerithium bicostellatum Conrad
See *Cerithiella ? bicostellata* (Conrad)

"Cerithium" claibornense Conrad **Cerithiidae**

Cerithium claibornensis Conrad, 1848b, p. 132, pl. 14, fig. 32; Conrad, 1866a, p. 12 *claibornense;* Dall, 1892, p. 271; Harris, 1895b, p. 11
Cerithiopsis claibornensis (Conrad), Conrad, 1865a, p. 29
Cleidomera claibornense (Conrad), Conrad, 1866a, p. 14
Cerithium (Cerithiopsis) Claibornensis Conrad, de Gregorio, 1890, p. 120, pl. 10, fig. 22 copy Conrad
"*Cerithium*" *claibornensis* Conrad, Palmer, 1937, p. 216, pl. 83, fig. 3 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 15728 ANSP, Moore, 1962, p. 47

Cerithium claytonense Aldrich
See *Campanile claytonense* (Aldrich)

Cerithium constrictum (H. C. Lea)
See *Seila constricta* (H. C. Lea)

Cerithium decisum (Conrad)
See "*Fusus decisus*" Conrad

Cerithium delicatulum Aldrich
See *Cerithiella delicatula* (Aldrich)

Cerithium gainesense Harris **Cerithiidae**

Cerithium gainesensis Harris, 1896, p. 106, pl. 11, fig. 1; Brann and Kent, 1960, p. 189
Fastigiella gainesensis (Harris), Cossmann, 1906b, p. 94

Range.—Paleocene. Midway gr. (type)
Locality.—GA.: *Clay Co.,* Chattahoochee R., Fort Gaines (type)
Type.—Holotype, No. 40 PRI

Cerithium ? georgianum Lyell and G. B. Sowerby **Cerithiidae**

Cerithium ? Georgianum Lyell and G. B. Sowerby *in* Lyell, 1845, pp. 438, 439, figs. a, b Scriven [*sic*] Co.; Conrad, 1865a, p. 32 not p. 431; Cooke, 1943, p. 84
Vertagus georgianus (Lyell and Sowerby), Conrad, 1866a, p. 12

Range.—Oligocene. Probably Flint River fm. (type) (Cooke, 1943; Cooke and MacNeil, 1952)
Locality.—GA.: *Screven Co.*, "right bank of Beaverdam Cr., about one mile west of Jacksonboro" (type)
Type.—Syntype, fig. a OUM No. MT. 15a; fig. b not present

Cerithium globoleve Harris
See cf. *Clavocerithium globoleve* (Harris)

Cerithium lucrosum de Gregorio, 1890, p. 117 under *C. agnotum* is a *nomen nudum*, Palmer, 1937, p. 222

Cerithium mediavia Harris
See *Rhinoclavis mediavia* (Harris)

Cerithium misgum de Gregorio
See *Mitrella (Columbellopsis) elevata* (I. Lea)

Cerithium miturum de Gregorio
See *Dentiterebra prima* (Meyer)

Cerithium nassula Conrad
See *Cerithiella nassula* (Conrad)

Cerithium ocalanum Dall
See *Rhinoclavis (Ochetoclava) ocalana* (Dall)

Cerithium penrosei Harris **Cerithiidae**

Cerithium penrosei Harris, 1895a, p. 79, pl. 9, fig. 4; Harris, 1896, p. 107, pl. 11, fig. 4 copy Harris; Gardner, 1935, p. 317 not Midway as in Harris

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) [Gardner, 1935, p. 54]
Locality.—TEXAS: *Milam Co.*, Smileys Bluff, Brazos R., 2 mi. above mouth of Pond Creek (type) [Gardner, 1935, p. 54]
Type.—Holotype, No. 35654 BEG

Cerithium persum de Gregorio
See *Mesalia ? persa* (de Gregorio)

Cerithium platynema Dall **Cerithiidae**

Cerithium platynema Dall, 1892, p. 281, pl. 14, fig. 11; Schuchert, *et al.*, 1905, p. 140 Scriven [*sic*] Co.

Range.—Oligocene. Probably Flint River fm., (type) (Cooke, 1943; Cooke and MacNeil, 1952)
Locality.—GA.: *Screven Co.*, Jacksonboro (type)
Type.—Holotype, No. 113357 USNM

Cerithium (Cerithioderma) primum Conrad
See *Cerithioderma primum* Conrad

Cerithium quadristriaris (Meyer and Aldrich)
See *"Seila" quadristriaris* (Meyer and Aldrich)

Cerithium sagenula Conrad, App. *in* Morton, 1834, p. 5; d'Orbigny, 1850, p. 369. *Nomen nudum fide* Palmer, 1937, p. 222

Cerithium ? siliceum Conrad **Cerithiidae**

Cerithium siliceum Conrad, 1848a, p. 298; Conrad, 1848b, p. 129, pl. 14, fig. 1; Conrad, 1865a, p. 32; Conrad, 1866a, p. 12
? *Cerithium siliceum* Conrad, Palmer, 1937, p. 221

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Calhoun Co.*, "St. Matthew's Parish, Orangeburg District" (type)

Type.—Missing ANSP, Moore, 1962, p. 96

Cerithium solitarium Conrad
See cf. *Cerithiopsis solitaria* (Conrad)

Cerithium striatum I. Lea
See *Mesalia vetusta* (Conrad)

Cerithium texanum Heilprin
See *Texmelanatria texana* (Heilprin)

Cerithium texanum of authors. Not Heilprin, 1881a
See *Texmelanatria angeloi* Gardner

"Cerithium" tombigbeense Aldrich **Cerithiidae**

Cerithium Tombigbeense Aldrich, 1886, p. 34, pl. 3, fig. 7; Harris, 1899a, p. 72, pl. 9, fig. 6 genus?
Cerithium Tombigbeense "Meyer" [Aldrich], de Gregorio, 1890, p. 119 not p. 118 under *C. solitarium* Conrad. Not Meyer as in de Gregorio. See Palmer, 1937, p. 215
Potamides (Cerithium) tombigbeensis Aldrich, Dall, 1892, p. 287
Potamides ? *tombigbeensis* (Aldrich), Henderson, 1935, pp. 17, 38, 207

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 638786 USNM

Cerithium trilineatum Meyer
See *Seila constricta* (H. C. Lea)

Cerithium vetustum (Conrad)
See *Mesalia vetusta* (Conrad)

Cerithium vinctum Whitfield
See *Dirocerithium vinctum* (Whitfield)

Cerithium vinctum Whitfield, Dall, 1892
See *Dirocerithium vinctum* (Whitfield)
See also *Dirocerithium wechesense* Stenzel *in* Woodring

Cerithium webbi Harris
See *"Bittiolum" webbi* (Harris)

Cerithium whitfieldi (Heilprin)
See *Dirocerithium whitfieldi* (Heilprin)

Cerithium ? sp. A. **Cerithiidae**

Cerithium ? sp. A. Gardner, 1923, p. 114, pl. 29, figs. 1, 2

Range.—Paleocene. Kincaid fm., lower Midway gr.
Localities.—TEXAS: *Uvalde Co.*, bluff on Frio R. ½ mi. below Myrick's (Evan's) apiary; *Maverick Co.*, land of Indio Cattle Co., 1 ¾ mi. below White Bluff, about 4 ½ mi. SW. of Jacal ranch house; Texas side of the Rio Grande 1 mi. below the Blesse ranch house
Types.—Figured specimens presumably USNM

Chemnitzia claiborensis (Heilprin)
See *Bayania claibornensis* (Heilprin)

Chemnitzia trigemmata Conrad
See *Elimia trigemmata* (Conrad)

Chenopus Aldrichi Cossmann
See *Aporrhais aldrichi* (Cossmann)

Chenopus gracilis Meyer
See *Aporrhais aldrichi* (Cossmann)

Chenopus liratus Conrad, 1848b, p. 117 = *Aporrhais (Alipes) liratus* (Conrad), Conrad, 1865a, p. 31 = *Aporrhais (Goniocheila) liratus* (Conrad), Gabb, 1868, p. 114. Not Eocene as in Gabb, 1868, p. 144 or Tryon, 1883b, p. 193. Vicksburg Oligocene.

Chlorostoma nautiloides Aldrich
See *Norrisia nautiloides* (Aldrich)

Chrysodomus engonatus (Heilprin)
See *Surculites engonatus* (Heilprin)

Chrysodomus engonatus (Heilprin), Clark and Martin, 1901. Not Heilprin, 1881
See *Surculites* sp.

Chrysodomus parbrazana Harris
See *Mitrella (Clinurella) bucciniformis* (Heilprin)

"Chrysodomus" striatus (Aldrich) ? **Buccinidae**

Cominella striata Aldrich, 1886, p. 26, pl. 5, fig. 4; de Gregorio, 1890, p. 107, pl. 7, fig. 60 copy Aldrich
Chrysodomus striata (Aldrich), Harris, 1899a, p. 48, pl. 6, fig. 6 copy Aldrich

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638769 USNM

Cingulina anita Aldrich
See *Pyramidella (Iphiana) anita* (Aldrich)

Cingulina tuscahomensis Aldrich
See *Turbonilla (Cingulina) tuscahomensis* Aldrich

Circulus delphinuloides (Meyer)
See *Circulus ottonius* Palmer

Circulus exacuum (Conrad)
See *Cyclostremiscus exacuus* (Conrad)

Circulus ottonius Palmer **Vitrinellidae**

Solarium delphinuloides Meyer, 1887a, p. 4, pl. 1, figs. 3, 3a; Dall, 1892, p. 347 "= *Adeorbis exacua* Conrad"
Not *Solarium delphinuloides* d'Orbigny, 1845, p. 189, pl. 19, figs. 21, 24; not Heilprin, 1881, p. 375, pl. 20, fig. 13 = *Architectonica sabinia* Palmer, 1944, p. 17
Solarium exacuum (Conrad), de Gregorio, 1890, p. 135 in part, pl. 12, figs. 40, 41 only copy *S. delphinuloides* Meyer
Circulus delphinuloides (Meyer), Palmer, 1937, p. 54
Circulus ottonius Palmer *in* Harris and Palmer, 1947, p. 231, pl. 27, figs. 3, 4 new name for *Solarium delphinuloides;* Meyer, 1887a; not d'Orbigny, 1845 nor Heilprin, 1881; Brann and Kent, 1960, p. 222

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson
Type.—Holotype *Solarium delphinuloides* Meyer, No. 638866 USNM

"Circulus" sotoensis (Aldrich) **Vitrinellidae**

Adeorbis sotoensis Aldrich, 1910b, p. 74, pl. 4, figs. 7-9
"Circulus" sotoensis (Aldrich), Palmer, 1937, p. 53, pl. 5, figs. 16, 20, 27 copies Aldrich

Range.—Middle Eocene. "Just above the *Ostrea sellaeformis* bed." Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Clarke Co.*, De Soto (type)
Type.—Holotype, No. 639106 USNM

? **Cirsochilus claibornense** (Dall) **Turbinidae**

Collonia claibornensis Dall, 1892, p. 388, pl. 22, fig. 26; Schuchert, *et al.*, 1905, p. 155
Cirsochilus claibornensis (Dall), Cossmann, 1918b, p. 136
? *Cirsochilus claibornensis* (Dall), Palmer, 1937, p. 60, pl. 5, fig. 14 copy Dall

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 113002 USNM

Cirsochilus (Claibornia) lineatum (I. Lea) **Turbinidae**

Turbo lineata I. Lea, 1833, p. 126, pl. 4, fig. 116; H. C. Lea, 1849, p. 106 as *lineatus.* Not *Turbo lineatus* Hall, 1843, p. 198
Solarium lineatum (I. Lea), Conrad, 1835a, p. 50, pl. 17, fig. 12 (Harris reprint, 1893, p. 106, pl. 17, fig. 12)
Solariorbis lineata (I. Lea), Conrad, 1865a, p. 30; Conrad, 1866a, p. 14; Harris, 1895b, p. 25
Delphinula lineata (I. Lea), de Gregorio, 1890, p. 141, pl. 13, fig. 10, 11 copies Lea
Solariella lineata (I. Lea), Dall, 1892, pp. 407, 412
Collonia lineata (I. Lea), Cossmann, 1893, p. 22, pl. 2, figs. 25, 26
Cirsochilus (Claibornia) lineatus (I. Lea), Palmer, 1937, p. 58, pl. 5, figs. 19, 23, 30; pl. 78, figs. 12, 17, 18 type Lea; Brann and Kent, 1960, p. 222; Keen, 1960, p. 1270, fig. 174, 2 *lineatum;* Glibert, 1962a, p. 81

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 5655 ANSP. Hypotype (Conrad, 1835a, pl. 17, fig. 12), No. 30542 ANSP, Moore, 1962, p. 71

Cirsostrema [*sic*] *bella* Conrad, 1866a, p. 25 *nomen nudum*
See *Cirsotrema nassulum* (Conrad)

Cirsotrema carinata (I. Lea)
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Cirsotrema (Coroniscala) claibornense Conrad **Scalariidae** (Scalidae, Epitoniidae)

Scala (Cirsotrema) claibornensis Conrad, 1865a, p. 28; Conrad, 1865d, p. 211, pl. 20, fig. 12; Conrad, 1866a, p. 15; Harris, 1895b, p. 11 in part

Scalaria (Cirsotrema) claibornensis Conrad, de Gregorio, 1890, p. 131, pl. 12, fig. 6 copy Conrad

Cirsotrema claibornensis Conrad, Cossmann, 1912b, p. 54

Cirsotrema (Coroniscala) claibornensis Conrad, Palmer, 1937, p. 99, pl. 10, fig. 1 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 30694 ANSP, Moore, 1962, p. 48

Cirsotrema (Coroniscala) danvillense Palmer **Scalariidae** (Scalidae, Epitoniidae)

Scala octolineata Conrad, Aldrich, 1897a, p. 7, pl. 4, figs. 6, 6a. Not Conrad, 1860, p. 294; not *Scalaria octolineata* (Conrad), Aldrich, 1885a, p. 153, pl. 3, fig. 22; not Aldrich, 1886, p. 34, pl. 1, fig. 22 same fig. as 1885a

Cirsotrema (Coroniscala ?) octolineata (Conrad), Cossmann, 1912b, p. 52

Cirsotrema (Coroniscala) danvillense Palmer *in* Harris and Palmer, 1947, p. 240, pl. 28, figs. 8, 16; Brann and Kent, 1960, p. 222

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; Danville Ldg. beds (type), uppermost Jackson gr.

Localities.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type); *Grant Par.*, Montgomery Ldg., Red R.

Types.—Holotype, No. 4502; paratype, No. 4503 PRI

Cirsotrema (Coroniscala) linteum (Conrad) **Scalariidae** (Scalidae, Epitoniidae)

Scala lintea Conrad, 1860, p. 294; Conrad, 1865a, p. 27; Conrad, 1866a, p. 14; de Gregorio, 1890, p. 130

Cirsotrema (Coroniscala) lintea (Conrad), Palmer, 1937, p. 101 (delete H. C. Lea, 1848, p. 105 from synonymy) pl. 10, figs. 15, 19; pl. 79, fig. 4 Conrad type; Brann and Kent, 1960, p. 222 as *linteum*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Probable holotype, No. 15401 ANSP Moore, 1962, p. 71

Cirsotrema megaptera Gabb
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Cirsotrema (Coroniscala) nassulum (Conrad) **Scalariidae**
(Scalidae, Epitoniidae)

Scalaria nassula Conrad 1833b, p. 31 not figured (Harris reprint, 1893, p. 53); Conrad, App. *in* Morton, 1834, p. 4 in part; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 340 [interchanged with *sessilis*]; Harris, 1895b, p. 29
Scalaria carinata I. Lea, 1833, p. 116, pl. 4, fig. 102 [not 103 as cited by Lea]; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 10 = *S. nassula* Conrad
? *Scalaria quinquefasciata* I. Lea, 1833, p. 116; Harris, 1895b, p. 38 = *S. nassula* Conrad
Cirsotrema megaptera Gabb, 1860d, p. 401, pl. 68, fig. 1 Eocene Alabama Dr. Spillman; Palmer, 1937, p. 99
Scala (Cirsotrema) ? *nassula* (Conrad), Conrad, 1865a, p. 28
Cirsostrema [*sic*] ? *nassula* (Conrad), Conrad, 1866a, p. 15
Scalaria (Opalia) carinata (I. Lea), de Gregorio, 1890, p. 129 in part, not pl. 11, fig. 31 copy *S. planulatum* I. Lea = *Rudiscala sessilis* (Conrad)
Scalaria planulata I. Lea, de Gregorio, 1890, p. 128 in part, pl. 11, fig. 29 copy *S. carinata* I. Lea; not pl. 11, fig. 30 = *"Scalaria"* sp. Not *S. planulata* I. Lea, 1833, p. 115
Scalaria (Cirsotrema) carinata I. Lea, Cossmann, 1893, p. 24 in part
"*Scalaria (Cirsotrema) bella* Conrad ?", Harris, 1895b, p. 7 *nomen nudum;* Palmer, 1937, p. 99 = *C. nassulum* (Conrad)
Cirsotrema carinata (I. Lea), Cossmann, 1912b, p. 54
Cirsotrema megaptera Gabb, Cossmann, 1912b, p. 54
Not *Scala carinata* I. Lea, Clark and Martin, 1901, p. 154, pl. 28, fig. 12 see *Cirsotrema* sp.
Cirsotrema (Coroniscala) nassula (Conrad), Palmer, 1937, p. 97, pl. 10, figs. 12-14, 18, 21, 22; pl. 80, fig. 5 = ? type *Scalaria quinquefasciata* I. Lea, fig. 9 type *S. carinata* I. Lea; Brann and Kent, 1960, pp. 222, 223; Glibert, 1962b, p. 241

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype and 1 specimen, No. 15495 ANSP Moore, 1962, p. 79. Holotype *S. carinata* I. Lea No. 5561 ANSP. Specimen figured Palmer, 1937, pl. 80, fig. 5 *S. quinquefasciata* I. Lea No. 5569 ANSP

Cirsotrema (Coroniscala) nassula Conrad, Palmer, 1937 in part; Harris and Palmer, 1947
See *Cirsotrema (Coroniscala)* sp.

Cirsotrema (Coroniscala) nassulum creolum Palmer **Scalariidae**
(Scalidae, Epitoniidae)

Cirsotrema (Coroniscala) nassulum creolum Palmer *in* Harris and Palmer, 1947, p. 242, pl. 28, fig. 17; Brann and Kent, 1960, p. 223

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 4504 PRI

Cirsotrema (Coroniscala) newtonense (Meyer and Aldrich) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria Newtonensis Meyer and Aldrich, 1886, p. 41, pl. 2, fig. 8
Scala (Parviscala) newtonensis (Meyer and Aldrich) Cossmann, 1912b, p. 36
? *Parviscala newtonensis* (Meyer and Aldrich), de Boury, 1917, p. 35
Cirsotrema (Coroniscala) newtonensis (Meyer and Aldrich), Palmer, 1937, p. 101, pl. 10, fig. 10; fig. 11 holotype; Brann and Kent, 1960, p. 223

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Newton (type); *Clarke Co.*, Wautubbee
Type.—Holotype, No. 638731 USNM

Cirsotrema octolineatum (Conrad) **Scalariidae** (Scalidae, Epitoniidae)

Scala octolineatum Conrad, 1860, p. 294
Scala (Cirsotrema) octolineata Conrad, Conrad, 1865a, p. 28
Not *Scalaria octolineata* (Conrad), Aldrich, 1885b, p. 153, pl. 3, fig. 22; Aldrich, 1886, p. 34, pl. 1, fig. 22 = *S. Spillmani* Aldrich, 1885b, p. 154; ? Dall, 1896a, p. 112
Not *Scala octolineata* Conrad, Aldrich, 1897a, pl. 4, figs. 6, 6a = *C. danvillense* Palmer
Cirsotrema (Coroniscala) octolineata (Conrad), Palmer, 1937, p. 100 in part not pl. 10, figs. 17, 20, 24 = *C. (C.) spillmani* (Aldrich). Not Brann and Kent, 1960, p. 223
Cirsotrema octolineata (Conrad), Harris and Palmer, 1947, p. 238 see for discussion. Suggest name be abandoned because of lack of proper information.

Range.—Eocene. Formation not determinable
Locality.—"Mississippi". Dr. Spillman [Conrad, 1860]. Locality not known
Type.—Lost verified Moore, 1962, p. 81

Cirsotrema (Coroniscala) ranellinum (Dall) **Scalariidae** (Scalidae, Epitoniidae)

Scala ranellina Dall, 1896a, p. 111; Dall, 1900, pl. 41, figs. 8, 9; Schuchert, *et al.*, 1905, p. 583
Scala (Coroniscala) ranellina Dall, de Boury, 1912, p. 315
Cirsotrema ranellinum (Dall), Cossmann, 1912b, p. 54 as *ranellina*
Cirsotrema (Coroniscala) ranellina (Dall), Harris and Palmer, 1947, p. 237, pl. 28, fig. 19; Brann and Kent, 1960, p. 223

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; Yazoo cl. (type), upper Jackson gr.
Localities.—LA.: *Choctaw Co.*, near Cocoa P. O. (type). LA.: *Grant Par.*, Montgomery Ldg. about ½ below ferry on Red River. MISS.: *Clarke Co.*, about 2-3 mi. E. of Shubuta
Types.—Syntypes, No. 130038 USNM

Cirsotrema (Coroniscala) spillmani (Aldrich) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria octolineata (Conrad), Aldrich, 1885b, p. 153 in part, pl. 3, fig. 22; Aldrich, 1886, p. 34, pl. 1, fig. 22 same pl. as 1885a. Not *Scala octolineata* Conrad, 1860, p. 294
Scalaria Spillmani Aldrich, 1885b, p. 154
Cirsotrema (Coroniscala) octolineata (Conrad), Palmer, 1937, p. 100 in part, pl. 10, figs. 17, 20, 24; Brann and Kent, 1960, p. 223, Nos. 2762, 2763 only
Cirsotrema (Coroniscala) spillmani (Aldrich), Harris and Palmer, 1947, p. 240

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Enterprise (type)
Type.—Lost

Cirsotrema sp. **Scalariidae** (Scalidae, Epitoniidae)

Scala carinata (I. Lea), Clark and Martin, 1901, p. 154, pl. 28, fig. 12. Not I. Lea, 1833, p. 116

Range.—Paleocene. Aquia fm.
Locality.—VA.: *Stafford Co.*, 2 mi. below Potomac Creek
Type.—Figured specimen, USNM

Cirsotrema (Coroniscala) sp. **Scalariidae** (Scalidae, Epitoniidae)

Scalaria nassuta [*sic*] Conrad, Conrad *in* Wailes, 1854, p. 289, pl. 16, fig. 6 (reprint, 1939, p. 19, pl. 3, fig. 6)
Scalaria nassula Conrad, Conrad, 1856a, p. 261 (reprint, 1939, p. 7). Not *S. nassula* Conrad, 1833b
Cf. *Cirsotrema (Coroniscala) nassula* (Conrad), Palmer, 1937, p. 98, pl. 10, fig. 23 copy Conrad; Harris and Palmer, 1947, p. 242, pl. 28, fig. 14 copy Conrad, 1854

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson
Type.—Unknown

Clabornia lineata (I. Lea)
See *Cirsochilus (Claibornia) lineatus* (I. Lea)

Clathurellla ? fannae Harris
See *Raphitoma fannae* (Harris)

Clathurella (Eoclathurella) obesula Casey
See *Eoclathurella obesula* Casey

"Clava" plicifera (Heilprin)
See *Harrisianella plicifera* (Heilprin)

Clava ("Ochetoclava") vincta Whitfield
See *Dirocerithium wechesense* Stenzel *in* Woodring
See also *Dirocerithium vinctum* (Whitfield)

Clavatula (Perrona) bella (Conrad)
See cf. *Ancistrosyrinx bella* (Conrad)

Clavatula (Perrona) engonata (Conrad)
See *Cochlespira engonata* (Conrad)

Clavatula haeninghausii [*sic*] (I. Lea)
See *Eopleurotoma hoeninghausii* (I. Lea)

Clavatula monilifera (I. Lea)
See *Eopleurotoma sayi* (I. Lea)

Clavatula properugosa de Gregorio
See *Eopleurotoma sayi* (I. Lea)

Clavatula rugosa (I. Lea)
See *Eopleurotoma rugosa* (I. Lea)

Clavatula sayi (I. Lea)
See *Eopleurotoma sayi* (I. Lea)

Clavatula taltibia (de Gregorio)
See *"Surcula" taltibia* de Gregorio

Clavatula tupis de Gregorio
See *"Pleurotoma (Clavutula) tupis"* de Gregorio

Clavelithes [*sic*] *humerosus* Conrad
See *Clavilithes humerosus* Conrad

Clavelithes [*sic*] *mississippiensis* Conrad
See *Clavilithes humerosus* Conrad

Clavelithes [*sic*] *varicosa* Conrad
See *Clavilithes humerosus* Conrad

Clavella conjunctus Deshayes var. *pachyleurus* (Conrad)
See *Clavilithes pachyleurus* (Conrad)

Clavella enterogramma (Gabb)
See *Bolis enterogramma* (Gabb)

Clavella humerosa (Conrad)
See *Clavilithes humerosus* Conrad

Clavella kennedyanus (Harris)
See *Clavilithes kennedyanus* Harris

Clavella mississippiensis (Conrad)
See *Clavilithes humerosus* Conrad

Clavella pachyleura (Conrad)
See *Clavilithes pachyleurus* (Conrad)

Clavella (Fusus ?) Penrosei Heilprin
See *Clavilithes penrosei* (Heilprin)

Clavella raphanoides (Conrad)
See *Clavilithes raphanoides* (Conrad)

Clavella raphanoides ? (Conrad), Whitfield, 1892. Not Conrad, 1834
See *Clavilithes* sp.

Clavella salebrosa (Conrad)
See *Clavilithes protextus* (Conrad)

Clavella tombigbeensis (Aldrich)
See *Latirus (Dolicholatirus)* ? *tombigbeensis* (Aldrich)

Clavella varicosa (Conrad)
See *Clavilithes humerosus* Conrad

Clavifusus altile (Conrad)
See *Papillina altilis* (Conrad)

Clavifusus Cooperi (Conrad)
See *"Papillina" cooperi* (Conrad)

Clavifusus dumosus (Conrad)
See *Papillina dumosa* (Conrad)

Clavifusus stamineus (Conrad)
See *Papillina staminea* (Conrad)

Cf. **Clavilithes abruptus** (Tuomey) **Fasciolariidae**

Fusus abruptus Tuomey, 1853, p. 193
Fusinus abruptus (Tuomey) ?, Kellum, 1926, p. 29 in part, ? pl. 6, fig. 6. Not Harbison, 1944, p. 6, pl. 4, fig. 1; not Richards, 1950, p. 18

Range.—Cretaceous mixed with Eocene. Near Wilmington, N.C. Cretaceous is in contact with Tertiary. (Stanton, 1891, pp. 333-334; Stephenson, 1923, p. 192; Kellum, 1926, p. 3). Upper Eocene. Castle Hayne fm., Jackson gr. (Kellum)
Locality.—N.C.: *New Hanover Co.*, near Wilmington (type)
Type.—Unknown

Clavilithes chamberlaini Johnson and Grabau **Fasciolariidae**

Clavilithes chamberlaini Johnson and Grabau, 1901, p. 602, text figures; Grabau, 1904, p. 132, text fig. 18; Palmer, 1937, p. 361, pl. 55, figs. 2, 5 copies Johnson and Grabau

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Leon Co.*, Bald Mound, 9 mi. SE. of Jewett (type)
Types.—Syntypes, No. 9409 ANSP

Clavilithes columbaris Aldrich **Fasciolariidae**

Clavilithes columbaris Aldrich, 1903, p. 98, pl. 3, fig. 7; Palmer, 1937, p. 362, pl. 56, fig. 5 copy Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, De Soto; McLeods Mill, Suwanlovey Cr., 6 mi. W. of De Soto Station on railroad. Western ALA. Type locality not designated.
Type.—Holotype, missing USNM, 1964

Clavilithes (Papillina) dumosus trapaquarus Harris
See *Papillina dumosa trapaquara* Harris

Clavilithes enterogramma (Gabb)
See *Bolis enterogramma* (Gabb)

Clavilithes hercules (Whitfield) **Fasciolariidae**

Fasciolaria Hercules Whitfield, 1892, p. 202, pl. 26, figs. 9-11; pl. 27, figs. 1, 2; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Localities.—N.J.: *Monmouth Co.*, Shark R.; Farmingdale (type localities); Monmouth; Squankum

Types.—Syntypes, No. 9741/1 AMNH

Cf. **Clavilithes hubbardanus** (Harris) **Fasciolariidae**

Fusus hubbardanus Harris, 1896, p. 87, pl. 8, figs. 10, 11; Gardner, 1935, p. 247; Brann and Kent, 1960, p. 398

Range.—Paleocene. Clayton fm., lower Midway gr. (type)

Localities.—MISS.: *Tippah Co.*, ½ mi. N. of Ripley (type). ALA.: *Wilcox Co.*, Palmer's Mill

Types.—Syntypes, Nos. 103, 104 PRI

Clavilithes humerosus Conrad **Fasciolariidae**

Clavilithes humerosus Conrad *in* Wailes, 1854, p. 289, pl. 15, fig. 2 (reprint 1939, p. 19, pl. 2, fig. 2) as *Clavelithes* [*sic*]; Conrad, 1856a, p. 259 (reprint, 1939, p. 5); Grabau, 1904, p. 129, pl. 8, figs. 17, 18; Palmer, 1937, p. 362, pl. 56, fig. 8; Harris and Palmer, 1947, p. 386, pl. 53, figs. 5, 6, 9-12; figs. 7, 8, lectotype *C. varicosa* (Conrad); Wilbert, 1953, p. 124, pl. 2, fig. 2 *humerosa;* Brann and Kent, 1960, p. 228

Clavelithes [*sic*] *varicosa* Conrad *in* Wailes, 1854, p. 289, pl. 16, fig. 7 (reprint 1939, p. 19, pl. 3, fig. 7); Conrad, 1856a, p. 259 (reprint, 1939, p. 5) as *Clavilithes*

Clavelithes [*sic*] *Mississippiensis* Conrad *in* Wailes, 1854, p. 289, pl. 17, fig. 8 (reprint, 1939, p. 19, pl. 4, fig. 8); Conrad, 1856a, p. 259 (reprint, 1939, p.5) as *Clavilithes*

Clavella humerosa (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 25; Cossmann, 1901b, p. 20, text fig. 9

Clavella Mississippiensis (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 26 not Vicksburg

Clavella varicosa (Conrad), Conrad, 1865a, p. 18; Cossmann, 1901b, p. 20

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Moodys Branch, Jackson; Town Cr., Jackson; *Clarke Co.*, Garland Co., near Shubuta, float in stream 2-3 mi. S. of bridge site Garland Cr. LA.: *Grant Par.*, Montgomery Ldg., lower layer, ½ mi. below ferry, Red R.; *Caldwell Par.*, 1 mi. above, ½ mi. below, and ¾ mi. below ldg. at water's edge, Gibson Ldg., Ouachita R.; *Caldwell Par.*, Grandview Bluff, Ouachita R.; Bunker Hill Ldg. and Bunker Hill bluff, Ouachita R. ARK.: *Cleveland Co.*, Vince Ferry, Saline R.; Caney Point, Saline R.

Types.—Holotype, No. 13201 ANSP Moore, 1962, p. 64. (6884 Grabau, 1904) Holotype + 2 specimens *C. mississippiensis*, No. 13202 ANSP Moore, 1962, p. 75. Lectotype, *C. varicosus* Conrad, No. 13200 ANSP Moore, 1962, p. 106

Clavilithes humerosus texanus Harris
See *Clavilithes texanus* Harris

Clavilithes kennedyanus Harris **Fasciolariidae**

Clavilithes kennedyanus Harris, 1895a, p. 73, pl. 7, fig. 8; Harris, 1899a, p. 44 in part, not pl. 5, fig. 8 = var.; Grabau, 1904, p. 131, text fig. 17; Palmer, 1937, p. 360, pl. 56, figs. 4, 6, 7, 11, fig. 13 holotype; Shimer and Shrock, 1944, p. 501, pl. 206, fig. 7 copy Palmer, 1937; Brann and Kent, 1960, p. 228; Glibert, 1963b, p. 138

Clavella Kennedyanus (Harris), Cossmann, 1901b, p. 20

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, 2 mi. NE. of Newton on route 15; *Clarke Co.*, Wautubbee. TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 35648 BEG

Clavilithes kennedyanus Harris "var.", Harris, 1899a
See *Clavilithes* sp.

Cf. **Clavilithes nobilis** (Whitfield) **Fasciolariidae**

Rostellaria nobilis Whitfield, 1892, p. 186, pl. 23, figs. 16, 17; Whitfield, 1899, p. 175

Range.—Lower Eocene. Manasquan fm. (type)

Locality.—N.J.: *Ocean Co.*, near New Egypt ? (type)

Type.—Not found Rutgers, 1965

Clavilithes pachyleurus (Conrad) **Fasciolariidae**

Fusus pachyleurus Conrad, 1841, p. 33; Conrad, 1842b, p. 190; Conrad, 1846b, p. 220; Conrad, 1848b, p. 132, pl. 14, fig. 25; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 31

Clavella pachyleura (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 19; Cossmann, 1901b, p. 20

Fusus (Clavella) conjunctus Deshayes var. *pachyleurus* Conrad, de Gregorio, 1890, p. 88, pl. 6, fig. 45 copy Conrad. Not *Fusus conjunctus* Deshayes, 1835a, p. 527

Clavilithes pachyleurus (Conrad), Cossmann, 1893, p. 36; Grabau, 1904, p. 129; Wrigley, 1927, p. 247; Palmer, 1937, p. 358, pl. 56, figs. 1, 2; Brann and Kent, 1960, p. 229

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype + 1 specimen, No. 14203 ANSP Moore, 1962, p. 82

Clavilithes paucicostatus (Whitfield) **Fasciolariidae**

Fusus paucicostatus Whitfield, 1892, p. 196, pl. 26, figs. 1-6; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Types.—Not found Rutgers, 1965

Clavilithes penrosei (Heilprin) **Fasciolariidae**

Clavella (Fusus ?) *Penrosei* Heilprin, 1891a, pp. 395, 405, pl. 11, fig. 1
Clavilithes penrosei (Heilprin), Palmer, 1937, p. 359, pl. 55, figs. 1, 3, 4, 6; Brann and Kent, 1960, p. 229

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr. (type)
Localities.—LA.: *Sabine Par.*, Columbus; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. MISS.: *Newton Co.*, Hickory. TEXAS: "Station 2, Rio Grande" Heilprin (type); *Bastrop Co.*, Smithville, Colorado R.
Type.—Holotype, not found Bur. Ec. Geol., 1964

Clavilithes propinquus (Whitfield) **Fasciolariidae**

Fasciolaria propinqua Whitfield, 1892, p. 203, pl. 27, fig. 3; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, No. 9742/1 AMNH

Clavilithes ? protextus (Conrad) **Fasciolariidae**

Fusus protextus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 54, pl. 18, fig. 7 (Harris reprint, 1893, p. 110, pl. 18, fig. 7); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Conrad, 1865a, p. 16; Harris, 1895b, p. 37
Fusus salebrosus Conrad, 1834, p. 145; Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 56, pl. 18, fig. 13 (Harris reprint, 1893, p. 112, pl. 18, fig. 13); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Tuomey, 1858, p. 265; Conrad, 1865a, p. 16; Harris, 1895b, p. 40
Turrispira protexta (Conrad), Conrad, 1866a, p. 19
Turrispira salebrosa (Conrad), Conrad, 1866a, p. 19
Fusus (Turrispira) protextus Conrad, Tyron, 1883b, p. 128, pl. 47, fig. 75; de Gregorio, 1890, p. 90, pl. 7, fig. 1 copy Conrad
Fusus (Turrispira) salebrosus Conrad, de Gregorio, 1890, p. 90, pl. 7, fig. 19 copy Conrad
Clavilithes protextus (Conrad), Cossmann, 1893, p. 36; Palmer, 1937, p. 357, pl. 56, fig. 10 copy Conrad, 1835a
Clavella salebrosa (Conrad), Cossmann, 1901b, p. 20
Clavilithes salebrosus (Conrad), Grabau, 1904, p. 133

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype, No. 13948 ANSP Moore, 1962, p. 90. Lectotype *Fusus salebrosus* Conrad + 3 specimens, No. 13819 ANSP Moore, 1962, p. 94

Clavilithes raphanoides (Conrad) **Fasciolariidae**

Fusus raphanoides Conrad, 1834, p. 144; Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 54, pl. 18, fig. 8 (Harris reprint, 1893, p. 110, pl. 18, fig. 8); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 38
Clavella raphanoides (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 19; Cossmann, 1901b, p. 20 *rapanoides* [*sic*]

Fusus (Clavella) raphanoides Conrad, de Gregorio, 1890, p. 89, pl. 6, fig. 46 copy Conrad
Clavilithes raphanoides (Conrad), Cossmann, 1893, p. 36; Grabau, 1904, p. 130; Wrigley, 1927, p. 247; Palmer, 1937, p. 357, pl. 56, fig. 9 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Probable holotype, No. 13830 ANSP Moore, 1962, p. 92

Clavilithes regexus Harris **Fasciolariidae**
Clavilithes regexus Harris, 1895a, p. 73, pl. 7, fig. 6; Palmer, 1937, p. 360, pl. 55, fig. 7 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. TEXAS: *Cherokee Co.*, Berryman's Place, Kimble Headright; near McBee School-house (type); *Lee Co.*, between Orell's and Evergreen Crossing, Elm Creek; *Houston Co.*, 2 mi. W. of Crockett; 3 mi. N. of Crockett; *Bastrop Co.*, Smithville, Colorado R.; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 21 (Veatch 1902, p. 129)
Type.—Holotype, No. 35644 BEG

Clavilithes salebrosus (Conrad)
See *Clavilithes* ? *protextus* (Conrad)

Clavilithes samsoni (Whitfield) **Fasciolariidae**
Fasciolaria Samsoni Whitfield, 1892, p. 204, pl. 27, fig. 4; pl. 28, figs. 1, 2; Whitfield, 1899, p. 170
? *Fasciolaria samsoni* Whitfield, Palmer, 1937, p. 336, pl. 47, fig. 9; Brann and Kent, 1960, p. 387

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Shark R. ml. (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R. N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntype, pl. 27, fig. 4, No. 9743/1 AMNH; syntype, Rutgers not found, 1965

Clavilithes texanus Harris **Fasciolariidae**
Clavilithes humerosus Conrad "var." *texanus* Harris, 1895a, p. 73, pl. 7, fig. 7
Clavilithes texanus Harris, Grabau, 1904, p. 130; Palmer, 1937, p. 362, pl. 56, figs. 3, 12; Brann and Kent, 1960, p. 229

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: "Northwest corner of Madison Co." (type Harris, 1893 ms.); *Cherokee Co.*, near McBee School house; *Bastrop Co.*, Alum Creek Bluff, Colorado R.; Smithville, Colorado R.; *Brazos Co.*, Wilson Reid Headright; Collard Farm, Sparks' Headright; *Houston Co.*, Hurricane Bayou, Hodge's Headright; *Burleson Co.*, Colliers Ferry; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine

Par., La. Outcrop 21 (Veatch, 1902, p. 129). LA.: *Claiborne Par.; Bienville Par.; Ouachita Par.*, Lapiniere Ldg., east bank Ouachita R. MISS.: *Clarke Co.*, near Enterprise; *Newton Co.*, 2½ mi. E. of Newton.
Type.—Holotype, No. 35647 BEG

Clavilithes sp. **Fasciolariidae**

Clavilithes kennedyanus Harris "var." Harris, 1899a, p. 44, pl. 5, fig. 8; Brann and Kent, 1960, p. 228

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Marengo Co.*, Nanafalia Ldg., Tombigbee R.; *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Figured specimen, No. 250 PRI

Clavilithes sp. **Fasciolariidae**

Clavella raphanoides ? (Conrad), Whitfield, 1892, p. 201, pl. 26, figs. 7, 8

Range.—Middle Eocene. Shark River ml., upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R.
Type.—Figured specimen not found Rutgers, 1965

Clavilithes sp. **Fasciolariidae**

Fusus longaevis [*sic*] [Solander], W. B. Rogers, 1835 (reprint, 1884, p. 18); Rogers and Rogers, 1837, p. 338 (reprint, 1884, p. 666). Not *Murex longaevus* Solander *in* Brander, 1766 *Clavilithes*

Range.—Eocene.
Locality.—VA.: James R.
Type.—Unknown

Cf. **Clavocerithium globoleve** (Harris) **Cerithiidae**

Cerithium globoleve Harris, 1896, p. 106, pl. 11, fig. 2; Brann and Kent, 1960, p. 189
Rhinoclavis globolaeve [*sic*] (Harris), Cossmann, 1906b, p. 88

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Locality.—ALA.: *Barbour Co.*, R.R. cut 1⅓ mi. NE. Clayton (type)
Type.—Holotype, No. 41 PRI

Cleidomera ? *bicostellata* (Conrad)
See *Cerithiella bicostellata* (Conrad)

Cleidomera claibornensis (Conrad)
See "*Cerithium*" *claibornense* Conrad

Cleidomera nassula (Conrad)
See *Cerithiella nassula* (Conrad)

Cleidomera solitaria (Conrad)
See cf. *Cerithiopsis solitaria* (Conrad)

Cleodora
See Gastropoda (Pteropoda) Part 1, pp. 356-358

Climacopoma scrobiculata (Conrad)
See *Architectonica scrobiculata* (Conrad)

Clinurella bucciniformis (Heilprin)
See *Mitrella (Clinurella) bucciniformis* (Heilprin)

Clinurella casteri Palmer
See *Mitrella (Clinurella) casteri* Palmer

Clio See Gastropoda (Pteropoda), Part I, pp. 356-358

Cochlespira bastropensis Harris
See cf. *Ancistrosyrinx bastropensis* (Harris)

Cochlespira bella Conrad
See cf. *Ancistrosyrinx bella* (Conrad)

Cochlespira bella Conrad, Harris, 1937, in part
See cf. *Ancistrosyrinx bella* (Conrad)
See also cf. *Ancistrosyrinx greggi* (Harris)

Cochlespira bella hoplites Harris
See cf. *Ancistrosyrinx bella hoplites* (Harris)

Cochlespira bella planata Harris
See cf. *Ancistrosyrinx bella planata* (Harris)

Cochlespira bella polita Harris
See cf. *Ancistrosyrinx bella polita* (Harris)

Cochlespira (Ancistrosyrinx) columbaria (Aldrich)
See *Ancistrosyrinx columbaria* (Aldrich)

Cochlespira (Ancistrosyrinx) columbaria petropolis Harris
See *Ancistrosyrinx columbaria petropolis* Harris

Cochlespira cristata greggi Harris
See cf. *Ancistrosyrinx greggi* (Harris)

Cochlespira engonata Conrad **Turridae**

Turris cristata (Conrad) Gabb, 1860d, p. 378, pl. 67, fig. 12 (not fig. 8 as in text); Meyer, 1884, p. 107 under *Pleurotoma Volgeri* Philippi. Not *Pleurotoma cristata* Conrad, 1848a, p. 284 = Oligocene

Cochlespira engonata Conrad, 1865a, p. 20; Conrad, 1865c, p. 142; Conrad, 1865d, p. 210, pl. 21, fig. 12; Conrad, 1866a, p. 18; Meyer, 1884, p. 107 under *Pleurotoma Volgeri* Philippi; Gardner, 1945, p. 241; Glibert, 1960b, p. 25

Pleurotoma cristata Conrad, Meyer, 1884, p. 107 under *Pleurotoma Volgeri* Philippi

Pleurotoma (Cochlespira) engonata Conrad "sp. dub.", de Gregorio, 1890, p. 37, pl. 2, fig. 42 copy Conrad

Clavatula (Perrona) engonata (Conrad), Cossmann, 1896b, p. 69

Cochlespiropsis engonata (Conrad), Casey, 1904, p. 143; Cossmann, 1906b, p. 221, pl. 14, fig. 13 as *Rouaultia;* Harris, 1937, p. 62, pl. 11, figs. 11-14; Brann and Kent 1960, pp. 890, 891 [under *Turricula*] Cossmann, 1896b designated *engonata* for *Cochlespira* Conrad, 1865a which has priority over the type designation by Cossmann, 1906b of *Cochlespira cristata* Conrad. *Cochlespira engonata* Conrad was designated type species by Harris, 1937, p. 62 for *Cochlespiropsis* Casey, 1904, p. 143 (first of two species included). *Cochlespiropsis*

Casey is, therefore, synonymous with *Cochlespira* Conrad, 1865a. Cossmann, 1906b, p. 221 made the new genus *Cochlespiropsis* (not Casey, 1904) with *C. engonata* Conrad type species. *Cochlespiropsis* Cossmann, 1906b is also synonymous with *Cochlespira* Conrad, 1865

Range.—Middle Eocene [type]. Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—"Claiborne and Texas" Conrad [type]. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. *Bastrop Co.*, Smithville, Colorado R. (Harris)
Type.—Holotype, *Cochlespira engonata* Conrad, No. 13238 ANSP, Moore, 1962, p. 58

Cochlespira engonata blanda (Casey) **Turridae**
Cochlespiropsis blanda Casey, 1904, p. 143; Harris, 1937, p. 63, pl. 11, fig. 15

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)
Type.—Holotype, No. 434359 USNM

Cochlespirella insignifica (Heilprin)
See *Cochlespirella nana* (I. Lea)

Cochlespirella insignifica alabama Harris
See *Cochlespirella nana alabama* Harris

Cochlespirella nana (I. Lea) Pl. 5, fig. 11 **Turridae**
Fusus nanus I. Lea, 1833, p. 150, pl. 5, fig. 155; H. C. Lea, 1849, p. 100; ? Meyer, 1886b, p. 75 Newton; Harris, 1895b, p. 29; Palmer, 1937, p. 367. Not *Fusus nanus* Anton, 1839, p. 75
Not *Fusus nanus* ? Lea, Conrad, 1865a, p. 17 under *Lirofusus thoracicus* Conrad
Pleurotoma insignifica Heilprin, 1879a, p. 213, pl. 13, fig. 9 new name for *Fusus nanus* I. Lea, not *Pleurotoma nana* Deshayes, 1834a, p. 482; Harris, 1895a, p. 61, pl. 5, fig. 9
Pleurotoma nana (I. Lea), Meyer, 1887a, p. 18
Fusus (Lirofusus) nanus (I. Lea), de Gregorio, 1890, p. 87, pl. 6, fig. 22 copy Lea
Peratotoma (Peratotoma) insignifica (Heilprin), Cossmann, 1893, p. 46, pl. 2, fig. 23; Cossmann, 1896b, p. 136
Cochlespirella insignifica (Heilprin), Casey, 1903, p. 279; Harris, 1937, p. 43, pl. 8, figs. 27 holotype, 28; cf. figs. 29, 31-34 Woods Bluff and Claiborne gr. localities; Brann and Kent, 1960, p. 237
Cochlespirella nana (I. Lea), Cossmann, 1906b, p. 221 type designation of *Cochlespirella* Casey, 1903, p. 279 [=*C. insignifica* (Heilprin) in Casey]
Teretia insignifica (Heilprin), Glibert, 1960b, p. 80

Range.—? Lower Eocene. Middle Eocene. ? Middle-upper Claiborne gr.; Gosport sd., uppermost Claiborne gr. (type)
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). ? *Clarke Co.*, Woods Bluff, Tombigbee R. Cf. S.C.: *Orangeburg Co.*, Orangeburg. Cf. TEXAS: *Bastrop Co.*, Smithville, Colorado R.; *Burleson Co.*, Moseley's Ferry [Stone City Bluff] Brazos R. Cf. LA.: *Sabine Par.*, Columbus, Sabine R.
Types.—*Fusus nanus* I. Lea, ? No. 5795 ANSP. *Pleurotoma insignifica* Heilprin 10186/1 Cat. No. 5561/1 AMNH, not AMNH, 1964

Cochlespirella nana alabama Harris **Turridae**

Cochlespirella insignifica alabama Harris, 1937, p. 44, pl. 8, fig. 30; Brann and Kent, 1960, p. 237

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr. (type)
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2501 PRI

Cochlespiropsis blanda Casey
See *Cochlespira engonata blanda* (Casey)

Cochlespiropsis engonata (Conrad)
See *Cochlespira engonata* Conrad

Cochlolepas pygmaea (I. Lea)
See *Hipponix pygmaeus* I. Lea

Coelatura striata (I. Lea)
See *"Pasithea" striata* I. Lea

Collonia claibornensis Dall
See *Cirsochilus claibornense* (Dall)

Collonia concionaria (de Gregorio)
See *"Delphinula concionaria"* de Gregorio

Collonia depressa (I. Lea)
See *Solariorbis depressus* (I. Lea)

Collonia lineata (I. Lea)
See *Cirsochilus (Claibornia) lineatum* (I. Lea)

Colubraria cedri Gardner **Cymatiidae**

Tritonium (Colubraria) cedri Gardner, 1935, p. 262, pl. 21, figs. 9, 10

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.
Locality.—TEXAS: *Bastrop Co.*, USGS Sta. 11908, small branch below tank on N. side Cedar Creek-Lytton Springs rd., ½ mi. NE. of crossing on Austin-Red Rock rd. (type)
Type.—Holotype, No. 370988 USNM

Colubraria exilis (Conrad)
See *Nassarius exilis* (Conrad)

Colubraria otopsis (Conrad)
See *Eutritonium autopsis* (Conrad)

Columbella elevata (I. Lea)
See *Mitrella (Columbellopsis) elevata* (I. Lea)

Columbella mississippiensis Meyer and Aldrich
See *Mitrella (Columbellopsis) mississippiensis* (Meyer and Aldrich)

Columbella mississippiensis Meyer and Aldrich, Aldrich, 1895b. Not Meyer and Aldrich, 1886
See *Mitrella (Columbellopsis) mississippiensis meyeri* Palmer

Columbella parva (H. C. Lea)
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Columbella (Dentiterebra) prima (Meyer)
See *Dentiterebra prima* (Meyer)

"Columbella" punctostriata Johnson **Columbellidae**

Columbella punctostriata Johnson, 1899, p. 76, pl. 2, fig. 4; Pace, 1902, p. 126

"Columbella" punctostriata Johnson, Palmer, 1937, p. 276, pl. 37, fig. 4 copy Johnson

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Cherokee Co.*, Berryman's Place, 3 mi. NE. Alto

Type.—Holotype, No. 9740 ANSP

Columbella turricula Whitfield
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Columbella turriculata [*sic*] Whitfield
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Columbellopsis elevata (I. Lea)
See *Mitrella (Columbellopsis) elevata* (I. Lea)

Columbellopsis mississippiensis (Meyer and Aldrich)
See *Mitrella (Columbellopsis) mississippiensis* (Meyer and Aldrich)

Columbellopsis mississippiensis meyeri Palmer
See *Mitrella (Columbellopsis) mississippiensis meyeri* Palmer

Columbellopsis parva (H. C. Lea)
See *Mitrella (Columbellopsis) parva* (H. C. Lea)

Cominella Hatchetigbeensis Aldrich
See *Cornulina hatchetigbeensis* (Aldrich)

Cominella ? iteranda (de Gregorio)
See *Buccitriton iterandum* ? (de Gregorio)

Cominella ? iteranda (de Gregorio), Cossmann, 1893. Not de Gregorio, 1890
See *Nassarius exilis* (Conrad)

Cf. **Cominella pachecoi** (Harris) **Buccinidae**

Tritonidea pachecoi Harris, 1899b, p. 306, pl. 54, fig. 11; Le Blanc, 1942+, p. 116, pl. 14, figs. 11, 12; Brann and Kent, 1960, p. 881

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr., Pendleton Ferry fm. (type), middle Wilcox [Sabine] gr.

Localities.—TEXAS: *Sabine Co.*, Pendleton, Sabine R. (type). LA.: *Natchitoches Par.*, field adjacent to La. Highway 607 in NW. ¼ SW. ¼ NE. ¼ sec. 29, T. 9 N., R. 10 W. For further La. localities see Le Blanc, 1942+

Type.—Holotype, lost prior to 1937 PRI

Cominella striata Aldrich
See *Chrysodomus striatus* (Aldrich)

Compsopleura trinodosa Conrad
See *Elimia trigemmata* (Conrad)

Conomitra fusoides (I. Lea) **Mitridae**

Mitra fusoides I. Lea, 1833, p. 169, pl. 6, fig. 176; Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 42, pl. 16, fig. 8 (Harris reprint, 1893, p. 98, pl. 16, fig. 8); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 355; Harris, 1895b, p. 20

Conomitra fusoides (I. Lea), Conrad, 1865a, p. 25; Conrad, 1866a, p. 16; Tryon, 1882a, p. 109, pl. 3, fig. 41; de Gregorio, 1890, p. 72, pl. 5, figs. 32, 33; fig. 37 copy Conrad, 1835a; fig. 38 copy Lea; Cossmann, 1890c, p. 997; Cossmann, 1893, p. 38; Cossmann, 1899b, p. 172, text fig. 30, pl. 8, fig. 1 age correct; Palmer 1937, p. 408 [*usoides* typographical error], pl. 66, figs. 19, 24, 26; fig. 25 holotype; Shimer and Shrock, 1944, p. 509, pl. 210, figs. 2, 3 copies Palmer, 1937; Brann and Kent, 1960, p. 240

Vexillum (Conomitra) fusoides (I. Lea), Wenz, 1943, p. 1289, figs. 3674, a copy Cossmann, b copy Palmer; Glibert, 1960a, p. 34

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 5868 ANSP; hypotype, Conrad, 1835a, pl. 16, fig. 8, No. 17167 ANSP Moore, 1962, p. 62

Conomitra fusoides lepa de Gregorio **Mitridae**

Mitra (Conomitra) fusoides lepa de Gregorio, 1890, p. 72, pl. 5, figs. 34-36

Conomitra fusoides lepa de Gregorio, Cossmann, 1893, p. 38; Palmer, 1937, p. 409, pl. 66, figs. 23, 27, 28; Brann and Kent, 1960, p. 240

Range.—Middle Eocene. Cf. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R.

Types.—Syntypes, No. 26446 PRI de Gregorio Coll.

Conomitra hammakeri (Harris) **Mitridae**

Mitra hammakeri Harris, 1894b, p. 163, pl. 6, fig. 4; Schuchert, *et al.*, 1905, p. 405

Conomitra hammakeri (Harris), Palmer, 1937, p. 411; Harris and Palmer, 1947, p. 402, pl. 56, figs. 13-16; Wilbert, 1953, p. 124; Brann and Kent, 1960, pp. 240, 241

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.; Moodys Branch fm., lower Jackson gr.; Yazoo cl., upper Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—ARK.: *Bradley Co.*, sec. 8, T. 12 S., R. 9 W., Lee Hammaker's well, Station 2404 (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.; *Caldwell Par.*, Wyant Bluff [Myatt], Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R.

Type.—Holotype, No. 135132 USNM

Conomitra jacksonensis Cooke **Mitridae**

Conomitra jacksonensis Cooke, 1926b, p. 134, fig. 6; Palmer, 1937, p. 409; Harris and Palmer, 1947, p. 401, pl. 56, fig. 17, fig 18 copy Cooke; Brann and Kent, 1960, p. 241

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson, first bluff below bridge E. of Institution for the Blind, Moodys Branch (type); Town Cr., Jackson. LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.; lower layer Montgomery Ldg., Red R.; *Catahoula Par.*, Danville Ldg., Ouachita R. ARK.: *Cleveland Co.*, Vince Ferry, Saline R.
Type.—Holotype, No. 353942 USNM

Conomitra polita Vaughan **Mitridae**

Conomitra polita Vaughan, 1896, p. 35, pl. 3, fig. 1; Palmer, 1937, p. 411, pl. 66, fig. 29 copy Vaughan. Not *Mitra polita* Reeve, 1844, vol. 2, sp. 94, pl. 13. Not *Fasciolaria polita* Gabb, 1860d = *Fusimitra polita* (Gabb)

Range.—[Middle] "Eocene". (type)
Locality.—LA.: *Grant Par.*, Georgetown (type)
Type.—Holotype, No. 147047 USNM

Conomitra polita of authors. Not Vaughan, 1896
See *Fusimitra polita* (Gabb)

Conomitra subpontis (Harris) **Mitridae**

Mitra subpontis Harris, 1896, p. 86, pl. 8, figs. 7, 7a; Brann and Kent, 1960, p. 560
Range.—Paleocene. Uppermost beds of Midway gr. (type)
Locality.—GA.: *Clay Co.*, Fort Gaines, Chattahoochee R. (type)
Types.—Syntypes, Nos. 100, 101 PRI

Conomitra texana Harris **Mitridae**

Turricula (Conomitra) texana Harris, 1895a, p. 69, pl. 6, fig. 11
Conomitra texana Harris, Palmer, 1937, p. 410, pl. 66, fig. 20 holotype, figs. 21, 22; Brann and Kent, 1960, p. 241
Vexillum (Conomitra) texanum Harris, Glibert, 1960a, p. 35

Range.—Middle Eocene. Hurricane lentil, Landrum mem. (type), Cook Mt. fm., upper Claiborne gr.; Wheelock mem., Cook Mt. fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Brazos Co.*, well at College Station; Little Brazos R., 2½ mi. above Stone City; Collard's farm, Town Branch; *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. (Out-crop 21) (Veatch, 1902, p. 129); *Houston Co.*, Trinity R.; Hurricane Bayou, Marster's survey, near Crockett (type): LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; *Sabine Par.*, Fisher. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.
Type.—Holotype, No. 35571 BEG

Conomitra texana orangeburgensis Palmer **Mitridae**

Conomitra texana orangeburgensis Palmer, 1937, p. 410, pl. 66, figs. 12, 15; Brann and Kent, 1960, pp. 241, 242

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Localities.—S.C.: *Orangeburg Co.*, Orangeburg district (type); about 3 mi. WNW. of Orangeburg
Types.—Syntypes, Nos. 3251, 3252 PRI

Conomitra traceyi Harris **Mitridae**

Conomitra traceyi Harris, 1899a, p. 38, pl. 4, fig. 9; Brann and Kent, 1960, p. 242

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, near Choctaw Corner, NW. of Thomasville (type)
Type.—Holotype, lost prior to 1937 PRI

Conomitra sp. **Mitridae**

Conomitra sp. Palmer *in* Richards and Palmer, 1953, p. 32, pl. 6, figs. 9, 14

Range.—Middle Eocene. Avon Park ls., upper Claiborne gr. Upper Eocene. Inglis fm., lower Ocala gr.
Localities.—FLA.: *Levy Co.*, dredged channel of Waccassassa R., SW. ¼ SW. ¼ sec. 8, T. 14 S., R. 16 E., below bridge on State Road 55; road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock just SW. of State Road 55, in SW. ¼ sec. 34, T. 14 S., R. 16 E.
Types.—Figured specimens, Nos. I-7609, I-7610 Fla. Geol. Sur.

Conorbis alatoideus Aldrich **Turridae**

Conus (Conorbis) alatoideus Aldrich, 1885a, p. 149, p. 2, fig. 11; Aldrich, 1886, p. 32, pl. 2, fig. 11; Tomlin, 1937, p. 209
Conorbis alatoideus Aldrich, Cossmann, 1893, p. 42; Cossmann, 1896b, p. 150; Veatch, 1906, pl. 20, fig. 3 copy Aldrich; Harris and Palmer, 1947, p. 443, pl. 61, fig. 18 copy Aldrich, figs. 19-25; Brann and Kent, 1960, p. 242; Glibert, 1960b, p. 47

Range.—Upper Eocene. Moodys Branch fm. (type), upper Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type); Town Creek, Jackson. LA.: *Caldwell Par.*, Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.
Type.—Holotype, No. 638716 USNM

Conorbis conoides (Conrad) **Turridae**

Pleurotoma conoides Conrad, 1835a, p. 51, pl. 17, fig. 17 (Harris reprint, 1893, p. 107, pl. 17, fig. 17); Harris, 1895b, p. 12
Conorbis conoides (Conrad), Conrad, 1865a, p. 20; Conrad, 1866a, p. 18
Conorbis (Cryptoconus ?) conradi de Gregorio, 1890, p. 23, pl. 1, fig. 69 copy Conrad new name for *Pleurotoma conoides* Conrad, not *Murex* [*Pleurotoma* Edwards] *conoides* Solander *in* Brander, 1766, p. 14
Cryptoconus conradi de Gregorio, Cossmann, 1893, p. 42
Conorbis conradi de Gregorio, Harris, 1937, p. 94, pl. 14, fig. 50 copy Conrad

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr. (type)
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 30502 ANSP Moore, 1962, p. 49

Conorbis conradi de Gregorio
See *Conorbis conoides* (Conrad)

Conus (Conorbis) alatoideus Aldrich
See *Conorbis alatoideus* Aldrich

Conus claiborensis I. Lea
See *Conus sauridens* Conrad

Conus cormacki Harbison **Conidae**

Conus cormacki Harbison, 1944, p. 6, pl. 3, fig. 2

Range.—Middle Eocene. Santee ls. (type), upper Claiborne gr.
Locality.—S.C.: *Berkeley Co.*, Santee-Cooper Canal, 17 mi. NW. of Moncks Corner (type)
Type.—Holotype, No. 16415 ANSP

Conus deperditus var. *subdiadema* de Gregorio
See *Conus sauridens* Conrad

Conus diversiformis Deshayes, de Gregorio, 1890. Not Deshayes, 1835a
See *Conus sauridens* Conrad

Conus granopsis de Gregorio **Conidae**

Conus (Conospirus) granopsis de Gregorio, 1890, p. 21, pl. 1, figs. 66, 67; Tomlin, 1937, p. 256
Conus granopsis de Gregorio, Dall, 1896b, p. 42; Palmer, 1937, p. 464, pl. 73, figs. 19, 20 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Conus gyratus Morton **Conidae**

Conus gyratus Morton, 1833b, p. 131, pl. 10, fig. 13; Morton, 1834, p. 49, pl. 10, fig. 13; Conrad, 1865a, p. 30; Dall, 1896b, p. 42; Palmer, 1937, p. 465 indeterminate; Tomlin, 1937, p. 258

Range.—"Calcareous beds of South Carolina." Probably Eocene

Locality.—S.C.: type locality unknown

Type.—Unknown

Conus improvidus de Gregorio **Conidae**

Conus improvidus de Gregorio, 1890, p. 20, pl. 1, figs. 59, 60; Cossmann, 1893, p. 42; Dall, 1896b, p. 42; Palmer, 1937, p. 465 = doubtful American species; Tomlin, 1937, p. 260

Range.—Supposedly midlle Eocene. Gosport sd., uppermost Claiborne gr. (type)

Locality.—Supposedly ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, De Gregorio Coll., formerly Univ. Palermo, Palermo, Sicily. Lost

Conus multilatus Tuomey **Conidae**

Conus mutilatus Tuomey, 1853, p. 193

Conus mutilatus Tuomey ?, Kellum, 1926, p. 31 in part, ? pl. 7, figs. 2, 3

Range.—Cretaceous mixed with Eocene. Near Wilmington, N.C. Cretaceous is in contact with Tertiary. (Stanton, 1891, pp. 333-334; Stephenson, 1923, p. 192; Kellum, 1926, p. 3)

Locality.—N.C.: *New Hanover Co.*, near Wilmington (type). "White limestone of Alabama . . Eocene beds on the Santee [S.C.]." Tuomey

Type.—Unknown

Conus parvus H. C. Lea
See *Conus sauridens* Conrad

Conus pulcherrimus Heilprin
See *Eosurcula pulcherrima* (Heilprin)

Conus (Lithoconus) sauridens Conrad **Conidae**

Conus sauridens Conrad, 1833c, p. 33 [not illustrated] (Harris reprint, 1893, p. 55); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 38, pl. 15, fig. 7 (Harris reprint, 1893, p. 94, pl. 15, fig. 7); H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 356; Tuomey, 1858, pp. 265, 273; Conrad, 1865a, p. 30; Conrad, 1866a, p. 13; de Gregorio, 1890, p. 21, pl. 1, figs. 61, 62; fig. 63 copy Conrad; Heilprin, 1891a, p. 394 in part; Cossmann, 1893, p. 42; Harris, 1895b, p. 40; Dall, 1896b, p. 41; Stenzel *in* Renick and Stenzel, 1931, pl. 6, fig. 6; Tomlin, 1937, p. 305

Conus claibornensis I. Lea, 1833, p. 186 No. 5931 ANSP, specimen lost before figured or description completed; de Gregorio, 1890, pp. 20, 22; Harris, 1895a, p. 11, p. 40 under *sauridens;* Dall, 1896b, p. 42; Tomlin, 1937, p. 229

Conus parvus H. C. Lea, 1841, p. 103, pl. 1, fig. 24 young; Cossmann, 1893, p. 42 in part; Harris, 1895b, p. 33, p. 40 under *C. sauridens;* Dall, 1896b, p. 41; Tomlin, 1937, p. 287. Not *C. parvus* Borson, 1820a, p. 196

Conus subsauridens Conrad, 1865a, p. 30; Conrad, 1865c, p. 148, pl. 11, fig. 9; Conrad, 1866a, p. 13; de Gregorio, 1890, p. 22, pl. 1, fig. 68 copy Conrad, 1865c, pl. 11, fig. 9; Dall, 1896b, p. 42; Tomlin, 1937, p. 315

Conus diversiformis Deshayes, de Gregorio, 1890, p. 21, pl. 1, figs. 61, 62, fig. 63 poor copy Conrad, 1835a, pl. 15, fig. 7. Not Deshayes, 1835a, p. 747

Conus deperditus var. *subdiadema* de Gregorio, 1890, p. 20, pl. 1, figs. 56-58; Tomlin, 1937, p. 314

Conus (Conospirus) parvus (H. C. Lea), de Gregorio, 1890, p. 22, pl. 1, figs. 64, 65; pl. 9, fig. 31 copy H. C. Lea

Conus subsauridens Conrad ?, Whitfield, 1892, p. 221, pl. 34, figs. 16, 17

Conus subdiadema de Gregorio, Cossmann, 1893, p. 42

Conus (Lithoconus) sauridens Conrad, Cossmann, 1896b, p. 158; Palmer, 1937, p. 458 in part, pl. 71, figs. 1-5 not figs. 6-8, 12, 14; fig. 3 type *C. parvus* H. C. Lea young (delete "included herein", p. 461 2d line from bottom); Shimer and Shrock, 1944, p. 513, pl. 211, figs. 1, 2 copies Palmer, 1937; Harris and Palmer, 1947, p. 444 in part, not pl. 62, figs. 15-18, 20; Glibert, 1960a, p. 102; Brann and Kent, 1960, pp. 247, 248

Conus (Conospira) subdiadema de Gregorio, Cossmann, 1896b, p. 156

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. Orangeburg. LA.: Exact data lost; *Bienville Par.;* Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W. about 2 mi. NE. of Mt. Lebanon; *Sabine Par.*, Columbus. TEXAS: *Sabine Co.*, Sabine R., SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W. Sabine Par., La. Field Sta. 21 (Veatch 1902, p. 129); *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; big branch of Cedar Creek E. of Mr. Pollard's (deceased) farm 3 mi. NW. of Stone City [probably Cedar Creek near Wheelock, *Robertson Co.*, *fide* Stenzel pers. com. 1959]; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. MISS.: *Clarke Co.*, Wautubbee; *Newton Co.*, Hickory. ? N.J.: *Monmouth Co.*, Shark R.

Types.—Lectotype + 5 specimens, No. 14854 ANSP Moore, 1962, p. 94. Lectotype *C. parvus* H. C. Lea, No. 13161 ANSP. Lectotype *C. subsauridens* Conrad, No. 14854 ANSP Moore, 1962, p. 94. Holotype *C. deperditus subdiadema* de Gregorio, De Gregorio, Coll. No. 26436 PRI. *C. clairbornensis* I. Lea lost ANSP

As shown by Palmer, 1937, it is difficult to find a character to differentiate the Claibornian and Jacksonian Eocene named species of *Conus*. For the purposes of this catalogue we have separated *C. sauridens* and *C. tortilis* and grouped the particular references under each.

Conus sauridens Conrad, Palmer, 1937 in part; Harris and Palmer, 1947 in part
See *Conus tortilis* Conrad in part

Conus (Lithoconus) smithvillensis Harris **Conidae**

Conus smithvillensis Harris, 1895a, p. 55, pl. 4, fig. 2
Conus (Lithoconus) smithvillensis Harris, Palmer, 1937, p. 464, pl. 73, figs. 17, 21; Tomlin, 1937, p. 308; Brann and Kent, 1960, p. 249

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35656 BEG

Conus (Conospira) subdiadema de Gregorio
See *Conus (Lithoconus) sauridens* Conrad

Conus subsauridens Conrad
See *Conus sauridens* Conrad

Conus subsauridens Conrad ?, Whitfield, 1892, p. 221, pl. 34, figs. 16, 17
See *Conus sauridens* Conrad

Conus tortilis Conrad **Conidae**

Conus tortilis Conrad *in* Wailes, 1854, p. 289, pl. 15, fig. 5 (reprint, 1939, p. 19, pl. 2, fig. 5) as *tortilus* [*sic*]; Conrad, 1856a, p. 260 (reprint, 1939, p. 6); Conrad, 1865a, p. 30; Conrad, 1866a, p. 25; Dall, 1896b, p. 41; not Dall, 1916, pp. 489, 503; Tomlin, 1937, p. 322

Conus sauridens var. *tortilis* Conrad, Dall, 1896b, p. 41
Conus sauridens Conrad, Palmer, 1937, pp. 458, 460 in part, pl. 71, figs. 8, 12 *C. tortilis*
Conus (Lithoconus) sauridens Conrad, Harris and Palmer, 1947, p. 444 in part, pl. 62, figs. 15-18, 20; Brann and Kent, 1960, p. 248
Conus jacksonensis Meyer, 1885a, p. 466; Tomlin, 1937, p. 263; Harris and Palmer, 1947, pp. 445, 446 under *C. tortilis* Conrad, pl. 62, fig. 17 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr. under and below G. M. & N. R.R. bridge, end of State St., Jackson. LA.: *Grant Par.*, Montgomery, Red R.; *Caldwell Par.*, 1 mi. above Gibson Ldg., Ouachita R.; ½ mi. below Gibson Ldg., Ouachita R.; Grandview Bluff, Ouachita R.; Bunker Hill Ldg. Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R. ARK.: *Cleveland Co.*, Vince Ferry, Saline R.
Type.—Holotype, No. 13196 ANSP Moore, 1962, p. 103

Conus sp. **Conidae**
Conus ? sp. Kellum, 1926, p. 32, pl. 7, fig. 4

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *Pender Co.*, old Rocky Point
Type.—Figured specimen, No. 353269 USNM

Conus spp. **Conidae**
Conus sp. A. and B., Palmer *in* Richards and Palmer, 1953, p. 40, pl. 2, fig. 14

Range.—Upper Eocene. Inglis fm., lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E.
Types.—Figured specimen *Conus* sp. B, No. I-7634 Fla. Geol. Sur. Unfigured specimen *Conus* A. Fla. Geol. Sur.

Coptostoma rameum Palmer **Cancellariidae**
Bonellitia ulmula (Harris), Palmer, 1937, p. 455 in part, pl. 70, figs. 1, 7, not fig. 8; Brann and Kent, 1960, p. 126. Not *Cancellaria ulmula* Harris, 1895a, p. 66
Coptostoma rameum Palmer, 1944, p. 19, pl. 1, fig. 3; Brann and Kent, 1960, p. 250

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type). LA.: exact locality unknown
Types.—Holotype, No. 3307 paratypes, Nos. 4455, 4455a-c, PRI

Coptostoma ulmulum (Harris) **Cancellariidae**
Cancellaria ulmula Harris, 1895a, p. 66, pl. 6, fig. 6
Bonellitia ulmula (Harris), Palmer, 1937, p. 455, in part, pl. 70, fig. 8 type; not pl. 70, figs. 1, 7 =*Coptostoma rameum* Palmer; not Brann and Kent, 1960, p. 126
Coptostoma ulmulum (Harris), Palmer, 1944, p. 19

Range.—Middle Eocene. Yegua fm. (type), uppermost Claiborne gr.
Locality.—TEXAS: *Lee Co.*, Elm Creek (type)
Type.—Holotype, No. 35567 BEG

Coptostoma ulmulum secutorum Palmer **Cancellariidae**

Coptostoma ulmulum secutorum Palmer *in* Harris and Palmer, 1947, p. 413, pl. 63, figs. 23-25; Brann and Kent, 1960, pp. 250, 251

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Types.—Holotype, No. 20004; paratypes, Nos. 20005, 20006 PRI

Coralliophila (Timothia) aldrichi (Cossmann) **Coralliophilidae**

Murex cancellaroides Meyer and Aldrich, 1886, p. 44, pl. 2, fig. 15. Not *M. cancellarioides* Grateloup, 1833, p. 99
Muricopsis Aldrichi Cossmann, 1903b, p. 34 new name for *M. cancellarioides* [*sic*] Meyer and Aldrich
Coralliophila (Aldrichia) Aldrichi (Cossmann), Palmer, 1937, p. 262 pl. 34, figs. 1-3; fig. 2 copy Meyer and Aldrich; Wenz, 1941, p. 1130, fig. 3210 copy Palmer, Mississippi not Missouri; Brann and Kent, 1960, p. 251
Coralliophila (Timothia) aldrichi (Cossmann), Palmer, 1938, p. 3

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Newton (type); Hickory. LA.: *Sabine Par.*, Columbus, Sabine R.
Type.—Holotype, No. 638742 USNM

Cordiera biconica (Whitfield) **Turridae**

Mitra biconica Whitfield, 1865, p. 263; Aldrich, 1887, p. 80; de Gregorio, 1890, p. 74; Whitfield, 1899, p. 172
Cordieria [*sic*] *biconica* (Whitfield), Casey, 1903, p. 275; Casey, 1904, p. 161; Harris, 1937, p. 61, pl. 11, figs. 6, 6a holotype; Palmer, 1937, p. 415

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—ALA.: "6 mi. below Prairie Bluff" (type Whitfield) wrong probably = Monroe Co., Lisbon, Alabama R. see Aldrich, 1887, p. 80; Harris, 1937, p. 61
Type.—Holotype, No. UC 24519 CNHM

Cordiera biconica curta Harris **Turridae**

Cordieria [*sic*] *biconica curta* Harris, 1937, p. 61, pl. 11, figs. 7, 7a; Brann and Kent, 1960, p. 276

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Hickory (type)
Types.—Holotype, No. 2546b; paratype, No. 2546c PRI

Cordiera biconica newtonensis Harris **Turridae**

Cordieria [*sic*] *biconica newtonensis* Harris, 1937, p. 62, pl. 11, fig. 8; Brann and Kent, 1960, p. 276

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton (type)
Type.—Holotype, No. 2546a PRI

Cordiera gracilis Conrad *nomen nudum*
Cordiera gracilis Conrad, 1865a, p. 23 not in Proc. ANSP 1865 as in Conrad; Conrad, 1866a, p. 16; de Gregorio, 1890, p. 45 [? *Borsonia*]; Heilprin, 1891a, pp. 395 not "Ala." = Texas, 396 = "? *L. (Cordiera) Texana* Conrad," 1866a, p. 16; Palmer, 1937, p. 367

Type.—*Nomen nudum,* Moore, 1962, p. 63

Cordiera ludoviciana (Vaughan) **Turridae**
Borsonia ludoviciana Vaughan, 1896, p. 34, pl. 2, figs. 6, 6a; Schuchert, *et al.*, 1905, p. 103
Cordieria [*sic*] *ludoviciana* (Vaughan), Casey, 1904, p. 161; Harris, 1937, p. 62, pl. 11, fig. 9; Harris and Palmer, 1947, p. 438, pl. 61, fig. 3; Brann and Kent, 1960, p. 276

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.,* Montgomery, Red R. (type)
Type.—Holotype, No. 147034 USNM

Cordiera ludoviciana mississippiensis Harris **Turridae**
Cordieria [*sic*] *ludoviciana mississippiensis* Harris, 1937, p. 62, pl. 11, figs. 10, 10a; Brann and Kent, 1960, p. 276

Altho this subspecies was not described in the text by Harris so as to strictly validate the name the subspecies is so well figured by Harris we are considering that the subspecies warrants status and not regarded as *nomen nudum.*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.,* Newton; *Clarke Co.,* Wautubbee (type localities)
Types.—Syntypes, Nos. 2548, 2549 PRI

Cordiera moorei (Gabb)
See *Latirus moorei* (Gabb)

Cordiera texana Conrad, 1866a
See *Cordiera gracilis* Conrad *nomen nudum*

Cordiera texana nomen nudum Conrad ANSP specimen
See *Latirus moorei* (Gabb)

Cornulina armigera (Conrad) **Melongenidae**
Melongena ? armigera Conrad, 1833b, p. 30 [not illustrated] (Harris reprint, 1893, p. 52); Conrad, App. *in* Morton, 1834, p. 3; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 6
Monoceros armigera (Conrad), Conrad, 1833b, p. 44; Conrad, 1835a, p. 37, pl. 15, fig. 1 (Harris reprint, 1893, p. 93, pl. 15, fig. 1); d'Orbigny, 1850, p. 369; Tuomey, 1858, p. 266
Fusus Taitii I. Lea, 1833, p. 152, pl. 5, fig. 159; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 44 = *Melongena armigera* Conrad
Cornulina armigera (Conrad), Conrad, 1853b, p. 321; Conrad, 1865a, p. 21 as *Cornuliria* [*sic*]; Conrad, 1866a, p. 17; Tryon, 1881a, p. 102, pl. 29, fig. 56; Dall, 1890, p. 118; Harris, 1899a, p. 63 in part, not pl. 8, figs. 8-11; Cossmann, 1901b, p. 87, pl. 4, fig. 5; Veatch 1906, pl. 19, fig. 6 copy I. Lea; not Deussen, 1924, pl. 15, fig. 5; not Trowbridge, 1932, pl. 38, fig. 6 copy Deussen; not Brann and Kent, 1960, p. 277

Melongena (Cornulina) armigera Conrad, Tryon, 1883b, p. 135, pl. 51, fig. 48; Cossmann, 1901b, p. 87, pl. 4, fig. 5; Davies, 1935, p. 298, fig. 443 not Lower Eocene Wilcox, not Griggs [*sic*] Ldg.
Cornuliria [*sic*] *armigera* (Conrad), de Gregorio, 1890, p. 111, pl. 8, fig. 48; pl. 9, fig. 3 copies Conrad; pl. 8, figs. 49, 50 copy *F. Taitii* I. Lea; Cossmann, 1893, p. 33; not *Cornulina armigera* Conrad young var., Aldrich, 1897a, p. 6, pl. 4 fig. 4 see *C. dalli*
Cornulina minax armigera (Conrad), Palmer, 1937, p. 339 in part, pl. 41, figs. 14, 15 only, not fig. 12 = *Cornulina minax* subsp.; Wenz, 1943, p. 1213, fig. 3455 copy Palmer; Harris and Palmer, 1947, p. 362; Brann and Kent, 1960, p. 278 in part No. 3059 PRI only
Cornulina armigera (Conrad), group, Gardner, 1945, p. 202, pl. 20, figs. 2, 3, 7, 8; pl. 21, fig. 1 see for extended synonymy. See also *Cornulina armigera* (Conrad) subsp.

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype ? + remaining specimens, No. 14293 ANSP Moore, 1962, p. 40. Holotype *Fusus Taitii* I. Lea, No. 5802 ANSP

Cornulina armigera (Conrad) young var., Aldrich, 1897a, p. 6
See *Cornulina dalli* (Harris)

Cornulina armigera (Conrad), Kennedy, 1895; Dumble, 1920; Renick and Stenzel, 1931. Not *Cornulina armigera* (Conrad), 1833b, p. 30
See *Cornulina armigera* (Conrad) subsp.

Cornulina armigera (Conrad) lower Eocene of authors. Not Conrad, 1833b
See *Cornulina* sp. ?

Cornulina armigera heilpriniana Harris ms. *in* Aldrich, 1897a
See *Cornulina dalli* (Harris)

Cornulina armigera (Conrad) subsp. **Melongenidae**

Cornulina armigera (Conrad), Kennedy, 1895, pp. 117, 118, 123, 125; Dumble, 1920, p. 92; Renick and Stenzel, 1931, pp. 102, 107. Not *Cornulina armigera* (Conrad) 1833b, p. 30
Cornulina minax armigera (Conrad), Palmer, 1937, p. 340 in part, pl. 41, fig. 12; Brann and Kent, 1960, p. 278 in part. Not *Cornulina armigera* (Conrad), 1833b, p. 30
Cornulina armigera (Conrad) group, Gardner, 1945, pp. 202, 203 in part, pl. 20, figs. 2, 3; "*s.l.*", pl. 20, figs. 7, 8 Texas

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, big branch of Cedar Cr. E. of Mr. Pollard's (deceased) farm, 3 mi. NW. Stone City [probably Cedar Cr., near Wheelock in *Robertson Co.*, fide Stenzel per. com.]; *Sabine Co.*, Texas side Sabine R. opposite SW. corner SE. ¼ sec. 35, T 5 N., R. 13 W., Outcrop 21 (see Veatch, 1902, p. 129). LA.: Exact data lost. ALA.: *Monroe Co.*, Lisbon Ldg., Alabama R. about 6½ mi. above toll bridge at Claiborne. MEXICO. See Gardner, 1945

Types.—Figured specimen, No. 3058 PRI (Palmer); figured specimens, Nos. 494971, 494950 USNM (Gardner)

Cornulina dalli (Harris) **Melongenidae**

——— Heilprin, 1880, fig. 7; Heilprin, 1882c, fig. 7 on pl. facing p. 150

Macron sp. Dall, 1890, p. 106; Dall *in* Call, 1891, p. 8 footnote

Mazzalina dalli Harris, 1894b, p. 166, pl. 7, fig. 7; Schuchert, *et al.*, 1905, p. 393

Monoceras [*sic*] *jacksonium* Harris, 1897a, p. 473, pl. 18, fig. 16

Cornulina armigera (Conrad) young var. Aldrich, 1897a, p. 6, pl. 4, fig. 4

Cornulina armigera heilpriniana Harris ms. *in* Aldrich, 1897a, p. 6

Cornulina minax heilpriniana Harris *in* Aldrich, Palmer, 1937, p. 340, pl. 41, fig. 13 holotype

Mazzalina inaurata dalli Harris, Palmer, 1937, p. 350, pl. 47, figs. 5, 6; Brann and Kent, 1960, p. 536

Cornulina dalli (Harris), Harris and Palmer, 1947, p. 360, pl. 47, figs. 7, 8, 10-14; figs. 9, 15 copies Aldrich and Harris; Brann and Kent, 1960, p. 277

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr. (type)

Localities.—ARK.: *Cleveland Co.*, Vince Ferry, Saline R. (type); *Jefferson Co.*, White Bluff, Arkansas R.; *St. Francis Co.*, Crow Cr. MISS.: *Hinds Co.*, Jackson. TEXAS: *Atascosa Co.*, "Peeler's ranch and SE. of Campbellton"

Type.—Holotype, No. 135131 USNM, not 35131 as in Harris and Palmer, 1947, p. 363

Cornulina dalli cetaria Palmer **Melongenidae**

Cornulina dalli cetaria Palmer *in* Harris and Palmer, 1947, p. 363, pl. 48, figs. 9-14; Wilbert, 1953, p. 123 *delli* [*sic*] *cetaria;* Brann and Kent, 1960, pp. 277, 278

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; cf. upper Jackson gr. (type)

Localities.—ARK.: *St. Francis Co.*, Crow Creek road bridge route 70 about 2 mi. E of Forrest City (type); Crow Cr, zeuglodon bed; Little Crow Cr. S. of R.R. and highway on Crow Creek about 2 mi. E. of Forrest City. LA.: *Caldwell Par.*, Grandview Bluff; *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.

Types.—Holotype, No. 4695; paratypes, Nos. 4693, 4694, 4696 PRI

Cornulina (———) hatchetigbeensis (Aldrich) **Melongenidae**

Cominella Hatchetigbeensis Aldrich, 1886, pp. 26, 50, pl. 3, figs. 6, 6a, 6b

Eburna Hatchetigbeensis (Aldrich), de Gregorio, 1890, p. 108, pl. 8, figs. 34a, b, c, copies Aldrich

Triumphis hatchetigbeensis (Aldrich), Harris, 1899a, p. 53, pl. 7, fig. 3

Pseudoliva hatchetigbeensis (Aldrich), Cossmann, 1901b, p. 192

We believe this species deserves new subgeneric rank under *Cornulina.*

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., "2 different horizons" (type), upper Wilcox [Sabine] gr.

Locality.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)

Types.—Syntypes, No. 638768 USNM (fig. 6), other syntypes missing USNM, 1964

Cornulina louisianae Palmer **Melongenidae**

Cornulina louisianae Palmer *in* Harris and Palmer, 1947, p. 365, pl. 48, figs. 7, 8; Brann and Kent, 1960, p. 278

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: exact locality unknown (type)
Types.—Holotype, No. 4697; paratype, Nos. 4698, 4699 PRI

Cornulina minax (Solander) **Melongenidae**

Murex minax Solander *in* Brander, 1766, p. 30, pl. 5, fig. 62; James Sowerby, 1819, p. 51, pl. 229, fig. 2
Fusus minax (Brander) Lamarck, 1822, p. 135; Deshayes, 1835a, p. 568, pl. 77, figs. 1-4
Cornulina minax (Solander) Palmer, 1937, p. 338, pl. 41, fig. 11 Paris Basin. [In text under *Melongena*]; Brann and Kent, 1960, p. 277; Le Blanc, 1942⁺, p. 134 in part, not pl. 16, figs. 9, 10; Gardner, 1945, p. 201, pl. 20, fig. 5 Barton, England; Harris and Palmer, 1947, p. 360

Range.—Middle Eocene. Upper Eocene. Bartonian, Barton beds (type). Oligocene.
Localities.—ENGLAND: *Hampshire,* Barton, 9 mi. E. of Bournemouth (type). For English localities see Newton, 1891. France. See Deshayes, 1835a
Type.—Holotype, No. BMPD GG 21013 BMNH

Cornulina minax (Solander), LeBlanc, 1942⁺. Not Solander *in* Brander, 1766
See *Cornulina* sp. ?

Cornulina minax armigera (Conrad), Palmer, 1937 in part; Brann and Kent, 1960. Not *Cornulina armigera* (Conrad), 1833b
See *Cornulina armigera* (Conrad) subsp.

Cornulina minax armigera (Conrad)
See *Cornulina armigera* (Conrad)
See also *Cornulina armigera* (Conrad) subsp.

Cornulina minax heilpriniana Harris *in* Aldrich
See *Cornulina dalli* (Harris)

Cornulina philadelphica (Harris) **Melongenidae**

Macron philadelphicus Harris, 1899a, p. 56, pl. 7, fig. 8
Pseudoliva philadelphica (Harris), Cossmann, 1901b, p. 192

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.,* Yellow Bluff, Alabama R. (type)
Type.—Holotype, No. 8704 ANSP

Cornulina triseralis Le Blanc **Melongenidae**

Cornulina triseralis Le Blanc, 1942⁺, p. 133, pl. 16, fig. 8 paratype

Range.—Paleocene. "Logansport fm." (name preoccupied), middle Midway gr.
Locality.—LA.: *Natchitoches Par.,* road cut in NW. ¼ SW ¼ sec. 33, T. 10 N., R. 10 W., along dirt road leading W. from La. Highway 404 (type)
Types.—Holotype, No. 3430; paratype, No. 3429 LSU Pal. Mus.

Cornulina sp ? **Melongenidae**

Cornulina armigera (Conrad), Aldrich, 1886, pp. 50, 53; Harris, 1899a, p. 63 in part, pl. 8, figs. 8-11; Deussen, 1924, pl. 15, fig. 5; Trowbridge, 1932, pl. 18, fig. 6 copy Deussen; Brann and Kent, 1960, p. 277. Not Conrad, 1833b, p. 30

Cornulina minax (Solander), Le Blanc, 1942+, p. 134 in part, pl. 16, figs. 9, 10. Not Solander *in* Brander, 1766, p. 30

Range.—Lower Eocene. Nanafalia fm., lower Wilcox [Sabine] gr.; Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. For additional Alabama localities see Harris, 1899a, p. 64. TEXAS: *Sabine Co.*, Pendleton Bluff, about ¼ mi. upstream from bridge, Sabine R.

Types.—Figured specimens, Nos. 279, 280 PRI; pl. 8, figs. 8, 11 lost

Cornuliria [*sic*] *armigera* (Conrad)
See *Cornulina armigera* (Conrad)

Coronia ? alternata (Conrad) **Turridae**

Pleurotoma alternata Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 50, pl. 17, fig. 13 (Harris reprint, 1893, p. 106, pl. 17, fig. 13); H. C. Lea, 1849, p. 104 *alternatum;* d'Orbigny, 1850, p. 359 in part; Harris, 1895b, p. 4

Surcula alternata (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18; Cossmann, 1893, p. 43

Pleurotoma (Surcula) alternata Conrad, de Gregorio, 1890, p. 31, pl. 2, fig. 23 copy Conrad in *(Clavatula)* on pl.

Gemmula alternata (Conrad), Casey, 1904, pp. 133, 136; Harris, 1937, p. 16, pl. 2, fig. 19, ? figs. 20-23; Brann and Kent, 1960, p. 403

Coronia alternata (Conrad), Harris and Palmer, 1947, p. 423

Range.—Middle Eocene. ? Weches fm., middle Claiborne gr.; ? Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). ? MISS.: *Newton Co.*, Newton; W. of Decatur (Harris). ? TEXAS: *Bastrop Co.*, Smithville, Colorado R. (Harris)

Type.—Probable holotype, No. 13345 ANSP Moore, 1962, p. 36

Coronia anacona (Harris) **Turridae**

Pleurotoma (Pleurotomella) anacona Harris, 1895a, p. 56, pl. 4, fig. 4; Kennedy, 1895, pp. 145, 147

Pleurotoma anacona Harris, 1896, p. 14, Texas ms.

Pleurotoma (Pleurotomella ?) anacona Harris, 1896, p. 77, pl. 7, fig. 12 holotype [on pl. as *Surcula*]

Coronia anacona (Harris) Gardner, 1935, p. 316

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) [not Midway see Gardner, 1935, p. 54]

Localities.—TEXAS: *Bastrop Co.*, well at Elgin, NE. corner of county; *Milam Co.*, Smileys Bluff, 2 mi. above mouth of Pond Creek, Brazos R. (type); *Kaufman Co.*, Rocky Cedar Creek, 5 mi. W. of Elmo

Type.—Holotype, No. 35577 BEG

Coronia carodenta (Harris) **Turridae**

Gemmula carodenta Harris, 1937, p. 14, pl. 2, figs. 4, 5; Brann and Kent, 1960, p. 404

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)
Type.—Holotype, No. 2378 PRI

Coronia ? casteri (Harris) **Turridae**

Gemmula (?) *casteri* Harris, 1937, p. 20, pl. 3, fig. 13; Brann and Kent, 1960, p. 404

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2400 PRI

Coronia childreni (I. Lea) **Turridae**

Pleurotoma Childreni I. Lea, 1833, p. 137, pl. 4, fig. 132; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 10
Pleurotoma acutirosta Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 52, pl. 17, fig. 21 (Harris reprint, 1893, p. 108, pl. 17, fig. 21), d'Orbigny, 1850, p. 360; Tuomey, 1858, pp. 267, 274 *acuti-rostra;* Cossmann, 1893, p. 44; Harris, 1895b, p. 2
Surcula acutirostra (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18
Surcula childreni (I. Lea), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18
Pleurotoma denticula Basterot, Heilprin, 1879a, p. 214 as Baterot [*sic*], pl. 13, fig. 10; Meyer, 1884, p. 106; Heilprin, 1884b, p. 94; Harris, 1937, p. 12, pl. 1, fig. 21 as "*Pleurotoma denticula*" (Bast.) Heilprin; [Heilprin's specimen 10182/1 AMNH (5560/1 Whitfield and Hovey, 1901) not *P. denticula* Basterot] = variation of *C. childreni* (I. Lea) *fide* Harris, 1937. Not *Pleurotoma denticula* Basterot, 1825, p. 63
Pleurotoma (Coronia) acutirostra Conrad, de Gregorio, 1890, p. 24, pl. 1, figs. 70, 71; fig. 72 copy Conrad
Pleurotoma (Coronia) childreni I. Lea, de Gregorio, 1890, p. 25, pl. 1, figs. 73-75; fig. 76 copy I. Lea
Pleurotoma (Hemipleurotoma) acutirostra Conrad, Cossmann, 1896b, p. 79
Gemmula childreni (I. Lea), Casey, 1904, p. 135; Harris, 1937, p. 11, pl. 1, figs. 15-18; Brann and Kent, 1960, p. 404 in part, Nos. 2365-2367 only; Glibert, 1960b, p. 8
Gemmula childreni acutirostra (Conrad), Harris, 1937, p. 12, pl. 1, fig. 22; Brann and Kent, 1960, p. 404
Coronia childreni (I. Lea), Shimer and Shrock, 1944, p. 513 in part, not pl. 210, figs. 26, 27 = *Coronia* sp.; Gardner 1945, pp. 237, 240; not Harris and Palmer, 1947, p. 420 = *childreni* "var." which see
Gemmula (Coronia) acutirostra (Conrad), Harris and Palmer, 1947, p. 418

De Gregorio, 1890 (p. 23) did not designate a type species for *Coronia.* Gardner, 1945, p. 240, wishfully took Cossmann's (1896b, p. 78) statement that De Gregorio had used as type *Pleurotoma acutirostra* Conrad as a true designation. Cossmann's statement was not a type designation. In the same manner we take Gardner's statement, "type, by subsequent designation (Cossmann . . .)" to be a type designation of *P. acutirostra*

Conrad as type species of *Coronia* de Gregorio, 1890. At least it is definite. Likewise Harris, 1947 (p. 418) was slightly more decided but still assumed a designation by Cossmann. *P. acutirostra* Conrad has been so linked with *Coronia* in ambiguous statements that we herein designate *P. acutirostra* Conrad as type species of *Coronia* de Gregorio, 1890 so that the problems may be given proper status. The type species is the same in all cases. *P. acutirostra* is regarded by Gardner as the same as *P. childreni* I. Lea. Harris (1937) thought there was varietal difference. Consequently *P. childreni* Lea (=*P. acutirostra* Conrad) becomes the type species of *Coronia*.

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype ANSP lost; paratypes Nos. 5714-5716 ANSP. "Lectotype" not No. 5717 as stated by Harris, 1937, p. 11 (No. 5717=lectotype *Eosurcula lesueurii* I. Lea, Harris, 1937, p. 40. Possible holotype *Pleurotoma acutirostra* Conrad, No. 13337 ANSP Moore, 1962, p. 34

Coronia childreni (I. Lea) variations **Turridae**

Not *Pleurotoma denticula* Basterot, 1825, p. 63, nor Edwards, 1860, p. 286
Pleurotoma denticula Basterot "var." Harris, 1899a, p. 12, pl. 1, figs. 21, 22; Brann and Kent, 1960, p. 716. No. 310 read *denticula* var. delete Edwards, No. 311 delete Edwards, read Ldg. for Llg.
Not *Pleurotoma denticula* Basterot, Heilprin, 1879a, p. 214, pl. 13, fig. 10 = Claiborne - *childreni* variation, Heilprin, 1879b, p. 224; Meyer, 1884, p. 106; Heilprin, 1884b, p. 94; Harris, 1937, p. 12, pl. 1, fig. 21 = *C. childreni* variation

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr. Middle Eocene. Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.; *Clarke Co.*, Woods Bluff, Tombigbee R.; *Monroe Co.*, Claiborne Bluff, Alabama R.
Types.—Figured specimens, Nos. 310, 311 PRI

Coronia childreni (I. Lea) "var." **Turridae**

Gemmula (Coronia) childreni (I. Lea) "var." Harris and Palmer, 1947, p. 419, pl. 57, figs. 11-14, 16; Brann and Kent, 1960, p. 404 [add to No. 4443 "var.", fig. 11 two specimens; to No. 4444 "var." fig. 13 two specimens]

Range.—Upper Eocene. Lower Jackson gr.
Localities.—LA.: *Vernon Par.*, Bayou Toro, SE. ¼ NW. ¼ sec. 6, T. 3 N., R. 11 W. (Harris and Veatch, 1899). ARK.: *Jefferson Co.*, White Bluff, S. bank Arkansas R.; *St. Francis Co.*, Crow Cr.
Types.—Figured specimens, Nos. 4443, 4444, 4446 PRI

Coronia childreni novoppidi (Harris) **Turridae**

Gemmula childreni novoppidi Harris, 1937, p. 12, pl. 1, figs. 19, 20; Brann and Kent, 1960, p. 405

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton (type)
Types.—Holotype, No. 2369; paratype, No. 2368 PRI

Coronia conjuncta (Casey) **Turridae**

Gemmula conjuncta Casey, 1904, p. 135; Harris, 1937, p. 12, pl. 1, fig. 23 holotype, figs. 24, fig. 24a as *conjuncta* ?; Brann and Kent, 1960, p. 405 as ? *conjuncta*

Gemmula (Coronia) conjuncta Casey, Harris and Palmer, 1947, p. 420, pl. 57, fig. 15 [on pl. *childreni* var. *conjuncta*]

Gemmula (Coronia) childreni conjuncta Casey, Brann and Kent, 1960, p. 405

Range.—Upper Eocene. Kimbrel beds, Jackson gr. [Kimbrel bed older than Youngs Bluff, younger than Moodys Branch]
Localities.—LA.: *Grant Par.*, S. of Montgomery, Red R., T. S. Kimbrel estate (type); *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Holotype, No. 494349 USNM

Coronia coraliger (Harris) **Turridae**

Gemmula coraliger Harris, 1937, p. 14, pl. 2, fig. 6; Brann and Kent, 1960, p. 405

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Columbus, Sabine R. (type)
Type.—Holotype, No. 2379 PRI

Coronia desnoyersi (I. Lea)
See *Eopleurotoma desnoyersii* (I. Lea)

Coronia genitiva (Casey) **Turridae**

Gemmula genitiva Casey, 1904, p. 135; Harris, 1937, p. 15, pl. 2, figs. 11 holotype, 12, 13; Brann and Kent, 1960, p. 405

? *Coronia genetiva* [*sic*] (Casey), Gardner, 1945, p. 241, pl. 25, figs. 9, 11

Range.—Middle Eocene. Stone City beds, middle Claiborne gr. (Harris); Weches fm., middle Claiborne gr. through Yegua fm., uppermost Claiborne gr. (Gardner)
Localities.—TEXAS: *Lee Co.*, (type locality not definite); *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R., (Harris). MEXICO. See Gardner
Type.—Holotype, No. 494347 USNM, *fide* Gardner not No. 494349 as in Harris

Coronia genitiva (Casey) "var." **Turridae**

Gemmula (Coronia) genitiva Casey "var.", Harris and Palmer, 1947, p. 421, pl. 58, fig. 2

Gemmula (Coronia) genitiva Casey, Brann and Kent, 1960, p. 405 [No. 4448 add "var."]

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Figured specimen, No. 4448 PRI

Coronia lancea (Casey) **Turridae**

Gemmula lancea Casey, 1904, p. 136; Harris, 1937, p. 15, pl. 2, fig. 9 holotype, fig. 10; Brann and Kent, 1960, p. 405

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)
Type.—Holotype, No. 494352 USNM

Coronia lerchi (Vaughan) **Turridae**

Pleurotoma lerchi Vaughan, 1896, p. 32, pl. 2, fig. 1; Schuchert, *et al.*, 1905, p. 522
Microdrillia lerchi (Vaughan), Casey, 1903, p. 277
Gemmula lerchi (Vaughan), Harris, 1937, p. 10, pl. 1, figs. 12, 13; Brann and Kent, 1960, p. 406

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; Gosport sd., uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. LA.: *Sabine Par.*, Columbus, Sabine R.; *Bienvillle Par.*, Hammetts Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon (type)
Type.—Holotype, No. 147038 USNM

Coronia ludocarola (Harris) **Turridae**

Gemmula ludocarola Harris, 1937, p. 17, pl. 3, fig. 2; Brann and Kent, 1960, p. 406

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)
Type.—Holotype, No. 2395 PRI

Coronia ? ludonorma Harris **Turridae**

Gemmula (Coronia ?) ludonorma Harris *in* Harris and Palmer, 1947, p. 421, pl. 58, fig. 8; Brann and Kent, 1960, p. 406

Range.—Upper Eocene. Yazoo cl. (type), upper Jackson gr.
Locality.—LA.: *Caldwell Par.*, Wyant Bluff [Myatt], Ouachita R. (type)
Type.—Holotype, No. 4449 PRI

Coronia margaritosa (Casey) **Turridae**

Gemmula margaritosa Casey, 1904, p. 135; Harris, 1937, p. 16, pl. 2, fig. 14 holotype, figs. 15, 17, ? figs. 16, 18; Brann and Kent, 1960, pp. 406, 407
? *Coronia margaritosa* (Casey), Gardner, 1945, p. 240, pl. 27, fig. 7

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm. upper Claiborne gr.; lower Laredo fm. (Gardner), upper Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithvillle, Colorado R. (type). MISS.: *Newton Co.*, Hickory. MEXICO: Nuevo Leon (Gardner)
Type.—Holotype, No. 494348 USNM

Coronia mediavia (Harris) **Turridae**

Pleurotoma mediavia Harris, 1896, p. 79, pl. 77, fig. 16; Casey, 1904, p. 137; Brann and Kent, 1960, p. 717
? *Coronia mediavia* (Harris), Gardner, 1935, pp. 214, 220
Gemmula (Coronia) mediavia (Harris), Harris and Palmer, 1947, pp. 418, 419

Range.—Paleocene. Naheola fm. (type), upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill P.O. (type). ? TEXAS (Gardner)
Type.—Holotype, No. 93 PRI

Coronia mediavia (Harris) "var." **Turridae**

Pleurotoma mediavia Harris "var." Harris, 1899a, p. 11, pl. 1, fig. 18; Brann and Kent, 1960, p. 717

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Figured specimen, No. 307 PRI

Coronia mediavia equiseta (Harris) **Turridae**

Pleurotoma mediavia equiseta Harris, 1899a, p. 11 as "var." pl. 1, fig. 19; Casey, 1904, p. 137; Brann and Kent, 1960, p. 717

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Type.—Holotype, No. 308 PRI

Coronia montgomeryensis (Harris) **Turridae**

Gemmula childreni montgomeryensis Harris, 1937, p. 12, pl. 1, fig. 25; Brann and Kent, 1960, p. 405
Gemmula (Coronia) montgomeryensis Harris, Harris and Palmer, 1947, p. 420, pl. 57, fig. 17 holotype

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 2371 PRI

Cf. **Coronia nodoidea** (Aldrich) **Turridae**

Turris (Pleurotoma) nodoideus Aldrich, 1921, p. 5, pl. 1, figs. 2, 3
Turris nodoideus Aldrich, Le Blanc, 1942$^+$, p. 145, pl. 18, figs. 12, 16

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr. (Le Blanc)
Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type); *Wilcox Co.*, 6 mi. E. of Thomasville. TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg, (Le Blanc)
Type.—Holotype, No. 11 GSATC

Coronia nodulina (Casey) **Turridae**

Gemmula nodulina Casey, 1904, p. 137; Harris, 1937, p. 14, pl. 1, fig. 32 holotype
Gemmula (Coronia) nodulina Casey, Harris and Palmer, 1947, p. 419, pl. 57, fig. 2 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 494355 USNM

Coronia nodulina (Casey) "var." **Turridae**

Gemmula (Coronia) nodulina Casey var., Harris and Palmer, 1947, p. 419, pl. 57, figs. 5-7; Brann and Kent, 1960, p. 407 in part [Nos. 4437, 4438, 4439 only; No. 4440 = *G. (C.) nodulina ouachitensis* Harris]

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Types.—Figured specimens, Nos. 4437, 4438, 4439 PRI

Coronia nodulina bunkerensis (Harris) **Turridae**

Gemmula nodulina bunkerensis Harris, 1937, p. 14, pl. 2, figs. 1, 2; Brann and Kent, 1960, p. 407
Gemmula (Coronia) nodulina bunkerensis Harris, Harris and Palmer, 1947, p. 419, pl. 57, fig. 3; figs. 4, 4a holotype; Brann and Kent, 1960, p. 407

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R. (type); *Catahoula Par.*, Danville Ldg., Ouachita R.
Types.—Holotype, No. 2376a; paratype, No. 2376b PRI

Coronia nodulina ouachitensis (Harris) **Turridae**

Gemmula ouachitensis Harris, 1937, p. 18, pl. 3, figs. 6-9; Brann and Kent, 1960, p. 408
Gemmula (Coronia) nodulina ouachitensis Harris, Harris and Palmer, 1947, p. 419, pl. 57, figs. 8-10 as in text; Brann and Kent, 1960, p. 407
Gemmula (Coronia) nodulina Casey, Brann and Kent, 1960, p. 407 [No. 4440 PRI] not *G. nodulina* Casey, 1904, p. 137

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Types.—Holotype, No. 2398; paratypes, Nos. 2399a, 2399b, 2399c PRI

Coronia nucleata (Casey) **Turridae**

Gemmula nucleata Casey, 1904, p. 135; Harris, 1937, p. 13, pl. 1, figs. 29, 29a syntype not holotype as in Harris

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Winn Par.*, St. Maurice (type). TEXAS: *Lee Co.* (type)
Types.—Syntype, No. 494350 USNM; syntype No. 639030 USNM (Aldrich, Lee Co., Texas)

Coronia obsolescens (Casey) **Turridae**

Gemmula obsolescens Casey, 1904, p. 136; Harris, 1937, p. 17, pl. 2, fig. 27 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Holotype, No. 494353 USNM

Coronia ostrarupis (Harris) **Turridae**

Pleurotoma (Surcula) ostrarupis Harris "MS. prepared for 5th Ann'l Rep't Geol. Surv. Tex., pl. 15, fig. 5" *nomen nudum.* Ref. from Harris, 1896; Harris, 1896, p. 78 in part, pl. 7, fig. 13. Not Harris, 1897a, p. 480, pl. 23, fig. 8 (=Matthews Ldg. and Oak Hill, see "*Pleurotoma*" sp.)
Coronia ostrarupis (Harris), Gardner, 1935, p. 315 in part

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) (see Gardner, 1935, p. 54)

Locality.—TEXAS: *Milam Co.*, Brazos R., Smileys bluff, 2 mi. above mouth of Pond Creek (type)

Type.—Holotype, No. 35691 BEG

Coronia ostrarupis (Harris), Gardner, 1935 in part
See also "*Pleurotoma*" sp.

Coronia parvidens (Casey) **Turridae**

Gemmula parvidens Casey, 1904, pp. 135, 136; Harris, 1937, p. 18, pl. 3, fig. 4 holotype

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr. (type)

Locality.—LA.: *Winn Par.*, St. Maurice (type)

Type.—Holotype, No. 494351 USNM

Coronia ? plentopsis (Harris) **Turridae**

Gemmula (?) plentopsis Harris *in* Harris and Palmer, 1947, p. 417, pl. 58, fig. 7; Brann and Kent, 1960, p. 408

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.

Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)

Type.—Holotype, No. 4435 PRI

Coronia sublerchi (Harris) **Turridae**

Gemmula sublerchi Harris, 1937, p. 11, pl. 1, fig. 14; Brann and Kent, 1960, p. 408

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 2364 PRI

Coronia wateletella (Harris) **Turridae**

Gemmula wateletella Harris, 1937, p. 18, pl. 3, fig. 5; Brann and Kent, 1960, p. 408

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, Sabine R. near Columbus (type) (exact outcrop not designated see Veatch, 1902, pp. 129, 130)

Type.—Holotype, No. 2397 PRI

Coronia weisbordi (Harris) **Turridae**

Gemmula weisbordi Harris, 1937, p. 15, pl. 2, figs. 7, 8; Brann and Kent, 1960, p. 408

Gemmula (Coronia) weisbordi Harris, Harris and Palmer, 1947, p. 421, pl. 58, fig. 9 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)

Type.—Holotype, No. 2380 PRI

Coronia sp. **Turridae**

Pleurotoma (Hemipleurotoma) childreni I. Lea, Clark and Martin, 1901, p. 127, pl. 20, figs. 10, 11 probably not *P. childreni* I. Lea

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Charles Co.*, 1 mi. SE. of Mason Springs. VA.: *King George Co.*, 2 mi. below Potomac Creek
Types.—Figured specimens, USNM

Coroniscala carinata (I. Lea)
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Coroniscala clabornensis (Conrad)
See *Cirsotrema (Coroniscala) clabornense* Conrad

Coroniscala danvillensis Palmer
See *Cirsotrema (Coroniscala) danvillense* Palmer

Coroniscala lintea (Conrad)
See *Cirsotrema (Coroniscala) linteum* (Conrad)

Coroniscala nassula (Conrad)
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Coroniscala nassula creola Palmer
See *Cirsotrema (Coroniscala) nassulum creolum* Palmer

Coroniscala newtonensis (Meyer and Aldrich)
See *Cirsotrema (Coroniscala) newtonense* (Meyer and Aldrich)

Coroniscala octolineata (Conrad)
See *Cirsotrema octolineatum* (Conrad)
See also *Cirsotrema (Coroniscala) spillmani* (Aldrich)

Coroniscala ranellina (Dall)
See *Cirsotrema (Coroniscala) ranellinum* (Dall)

Coroniscala spillmani Aldrich
See *Cirsotrema (Coroniscala) spillmani* (Aldrich)

Cossmannica cossmanni (Dall and Bartsch)
See *Pyramidella cossmanni* (Dall and Bartsch)

Cossmannica dalli (Cossmann)
See *Pyramidella (Syrnola) dalli* Cossmann

Crassispira anteatripla (de Gregorio)
See *Tripia anteatripla* (de Gregorio)

Crassispira lonsdalei (I. Lea)
See *Eodrillia lonsdalii* (I. Lea)

Crassispira texana (Conrad)
See *Eodrillia texana* (Conrad)

Crenilabium cossmanni (Aldrich) **Acteonidae**

Actaeon cossmanni Aldrich, 1897a, p. 10, pl. 2, fig. 5
"Actaeon" cossmanni Aldrich, Harris, 1899a, p. 6, pl. 1, fig. 5 type; Brann and Kent, 1960, p. 22. Fig. 4 doesn't = *cossmanni*. Harris did not have a specimen.
Acteonina (Crenilabium) cossmanni (Aldrich) Aldrich, 1910b, p. 74

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm. (type), middle Wilcox [Sabine] gr.; Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); *Clarke Co.*, Choctaw Corner

Type.—Holotype, No. 644630 USNM

Crepidula cornuarietes I. Lea
See *Crepidula lirata* Conrad

Crepidula dumosa Conrad **Calyptraeidae**

Crepidula dumosa Conrad, 1834, p. 148; Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 46, pl. 16, fig. 20 (Harris reprint, 1893, p. 102, pl. 16, fig. 20); H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 370; de Gregorio, 1890, p. 146, pl. 13, fig. 48 copy Conrad; Dall, 1892, p. 354; Harris, 1895b, p. 17; Palmer, 1937, p. 148, pl. 16, fig. 4 holotype, figs. 6, 7, 9, 10; Brann and Kent, 1960, p. 290

Crucibulum dumosa (Conrad), Conrad, 1854, p. 30

Crypta dumosa (Conrad), Conrad, 1865a p. 33; Conrad, 1866a, p. 11

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). S. C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg. MISS.: *Clarke Co.*, Wautubbee

Type.—Holotype, No. 15302 ANSP Moore, 1962, p. 55

Crepidula lirata Conrad **Calyptraeidae**

Crepidula lirata Conrad, 1833a, p. 344; Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 46, pl. 16, fig. 17 (Harris reprint, 1893, p. 102, pl. 16, fig. 17); H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 370; Tuomey, 1858, pp. 265, 273; de Gregorio, 1890, p. 146, pl. 13, figs. 49-53, 55-57, fig. 54 copy *cornuarietis* [*sic*] Lea, fig. 58 copy Conrad; Dall, 1892, p. 354; Cossmann, 1893, p. 26; Harris, 1895b, p. 25; Cooke, 1926a, pl. 95, fig. 3; Semmes, 1929, fig. 61-3; Palmer, 1937, p. 146, pl. 16, figs. 8, 11-14; Shimer and Shrock, 1944, p. 489, pl. 199, fig. 44 copy Conrad, 1835a; Brann and Kent, 1960, p. 291; Glibert, 1963a, p. 20

Crepidula cornu-arietes I. Lea, 1833, p. 97, pl. 3, fig. 77; H. C. Lea, 1849, p. 98; Harris, 1895b, p. 13 $=$ *C. lirata* Conrad

Crypta lirata (Conrad), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11

Crepidula lirata var. *sublaevigata* de Gregorio, 1890, p. 146, pl. 14, figs. 1-3

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R.; Lisbon Ldg., W. bank of Alabama R. about 6 ½ mi. above toll bridge at Claiborne, Alabama R. MISS.: *Newton Co.*, 2 mi. NE. of Newton; *Clarke Co.*, Wautubbee. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. S. C.: *Orangeburg Co.*, about 3 and 6 mi. WNW. of Orangeburg

Types.—Lectotype (+5 specimens) No. 15343 ANSP Moore, 1962, p. 72. Holotype *C. cornu-arietes* I. Lea, No. 5473 ANSP

Crepidula lirata sublaevigata de Gregorio
See *Crepidula lirata* Conrad

Creseis
See Part I, pp. 356-358

Crisposcala failiana Palmer
See *Epitonium (Crisposcala) failianum* Palmer

Crommium jacksonense (Harris) **Ampullospiridae**

Amauropsis jacksonensis Harris, 1897a, p. 474, pl. 19, fig. 3; Palmer, 1937, p. 138
Crommium jacksonense (Harris), Harris and Palmer, 1947, p. 256, pl. 30, fig. 5 copy type

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 7445 ANSP

Crommium ocalanum (Dall) **Ampullospiridae**

Polynices (Amauropsis) perovatus (Conrad), Dall, 1892, p. 377 in part. Not *Ampullaria perovata* Conrad, 1846a, p. 21
Polynices (Amauropsis) ocalana Dall, 1892, p. 377 not described *nomen nudum*
Amauropsis ocalana Dall, 1916, p. 519 in part Ocala only [part 2 Wagner Transactions not part 1 as in text], not pl. 88, fig. 11, not USNM 115744 as in Dall (= Blue Spring locality), specimen not found
Crommium ? ocalanum (Dall), Palmer, 1937, p. 138

Range.—Upper Eocene. "Ocala ls.", Ocala gr.
Locality.—FLA.: *Marion Co.*, Ocala (type), Willcox Coll.
Type.—Lectotype *Amauropsis ocalana* Dall, 1916 herein selected No. 112952 USNM labelled *A. propeconica* (de Gregorio) identified by Dall. Not *? Natica (Euspira) propeconica* de Gregorio, 1890

Crommium perovatum (Conrad) **Ampullospiridae**

Ampullaria ? perovata Conrad, 1846a, p. 21, pl. 1, fig. 16; H. C. Lea, 1849, p. 96; Harris, 1895b, p. 34; Henderson, 1935, pp. 15, 38, 188
Lupia perovata (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15
Sigaretus ? perovatus (Conrad), de Gregorio, 1890, p. 154
Polynices (Amauropsis) perovata (Conrad), ? Dall, 1892, p. 377 in part
Amauropsis perovata (Conrad), Harris, 1895b, p. 49, pl. 1, fig. 4; Brann and Kent, 1960, p. 33
Amaurellina (Euspirocrommium) perovata (Conrad), Stewart, 1927, p. 338
Pachycrommium perovatum (Conrad), Woodring, 1928, p. 392
Crommium perovatum (Conrad), Palmer, 1937, pp. 133, 136, pl. 14, figs. 5, 9; pl. 80, fig. 4 holotype; Harris and Palmer, 1947, p. 256; Brann and Kent, 1960, p. 292

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype ?, No. 15180 ANSP Moore, 1962, p. 86

Crommium tombigbeense (Harris) **Ampullospiridae**

Amaura (Amauropsis ?) tombigbeensis Harris, 1896, p. 120, pl. 12, fig. 22; Brann and Kent, 1960, p. 33

Range.—Paleocene. Clayton fm., lower Midway gr.; Porters Creek fm. (type), upper Midway gr.

Localities.—ALA.: *Sumter Co.*, 4 mi. below Black Bluff, Tombigbee R. (type); *Wilcox Co.*, 1 mi. N. of Midway

Type.—Holotype, No. 122 PRI

Crucibulum antiquum Meyer, 1886b, p. 68, pl. 1, fig. 11 is a *Balanus fide* Palmer, 1937, p. 149

Crucibulum dumosa (Conrad)
See *Crepidula dumosa* Conrad

Crypta dumosa (Conrad)
See *Crepidula dumosa* Conrad

Crypta lirata (Conrad)
See *Crepidula lirata* Conrad

Cf. **Cryptochorda clarkensis** (Aldrich) **Harpidae**

Thais clarkensis Aldrich, 1911, p. 7, pl. 3, fig. 2

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville (type)

Type.—Holotype, No. 639124 USNM

Cryptochorda eureia Stenzel and Turner **Harpidae**

Cryptochorda (Buccinum) mohri (Aldrich), Renick and Stenzel, 1931, p. 106. Not Aldrich, 1886, p. 26

Cryptochorda eureia Stenzel and Turner, 1940, p. 800, pl. 43, fig. 3; Stenzel and Turner [1942] Gastropoda 1, Card No. 29, figs. 3, 4 holotype

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Localities.—TEXAS: *Leon Co.*, gully 0.15 mi. N. of Concord—Centerville County road, 2.11 mi. E. of Robbins crossroads, right tributary of McDaniel Creek, 0.1 mi. E. of a fence and 0.15 mi. W. of E. line of J. E. Morris 89-acre tract, International and Great R.R. Co. survey (type). For further localities in *Leon, Robertson,* and *Houston Cos.* see Stenzel and Turner, 1940, p. 801

Type.—Holotype, No. 17642 BEG

Cryptochorda mohri (Aldrich) **Harpidae**

Buccinum Mohri Aldrich, 1886, p. 26, pl. 3, figs. 16, 16a; de Gregorio, 1890, p. 106, pl. 7, figs. 63, 64 copies Aldrich

Cryptochorda mohri (Aldrich), Cossmann, 1893, p. 38; Cossmann, 1899b, p. 78; Palmer, 1937, p. 399 in part, not pl. 65, figs. 9, 10 = *C. stenostoma* Stenzel and Turner; Stenzel and Turner, 1940, p. 798, pl. 43, fig. 2; not *Cryptochorda mohri* (Aldrich), Renick and Stenzel, 1931, p. 106 = *C. eureia* Stenzel and Turner; Stenzel and

Turner, [1942], Gastropoda 2, Card No. 30, fig. 2 holotype; not Brann and Kent, 1960, p. 293 = *C. stenostoma*

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, about 1 mi. S. of Lisbon Ldg. on right bank of Alabama R. (type)
Type.—Holotype, No. 638767 USNM

Cryptochorda stenostoma Stenzel and Turner **Harpidae**

Crytochorda mohri (Aldrich), Palmer, 1937, p. 399 in part, pl. 65, figs. 9, 10; Brann and Kent, 1960, p. 293. Not *B. mohri* Aldrich, 1886, p. 26
Cryptochorda stenostoma Stenzel and Turner, 1940, p. 802, pl. 43, fig. 4; Stenzel and Turner, [1942], Gastropoda 3, Card No. 31, fig. 4 holotype

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, bluff on right bank of Colorado R. upstream from highway bridge, Smithville (type)
Type.—Holotype, No. 17641 BEG

Cryptoconus conradi de Gregorio
See *Conorbis conoides* (Conrad)

Cryptospira columba (I. Lea)
See *Prunum (Leptegouana) columba* (I. Lea)

Cryptospira humerosa (Conrad)
See *Prunum (Leptegouana) columba* (I. Lea)

Cryptospira ovata (I. Lea)
See *Bullata larvata* (Conrad)

Cryptospira plicata (I. Lea)
See *Bullata plicata* (I. Lea)

Cryptospira (Gibberula) semen (I. Lea)
See *Bullata semen* (I. Lea)

Cryptospira (Euryentome) silabra (Palmer) **Marginellidae**

Not *Marginella crassilabra* Bory de St. Vincent, 1827, *Encylopédie Méthodique*, "Vers i, p. 167" [tome] iii, pl. 377, fig. 7 as *crenilabra fide* Tomlin, 1917, p. 260
Marginella crassilabra Conrad, 1833b, p. 33 [not illustrated]; Harris reprint, 1893, p. 55); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 45, pl. 13, fig. 13 (Harris reprint 1893, p. 101, pl. 13, fig. 13); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 351; Conrad, 1866a, p. 16; Redfield, 1871, pp. 219, 262; Dall, 1890, p. 57; Cossmann, 1893, p. 39 in part; Harris, 1895b, p. 13. Not *M. crassilabra* I. Lea, 1833, = *Marginella columba* I. Lea = *M. columba* Lea. Not *M. crassilabrum* G. B. Sowerby I, 1846b, p. 96 Recent; not Reeve, 1865, *Marginella*, pl. 18, fig. 92
Marginella anatina I. Lea, 1833, p. 176, pl. 6, fig. 186; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 5, p. 13 under *M. crassilabra*
Porcellana crassilabra (Conrad), Conrad, 1854, p. 31
Erato crassilabra (Conrad), Conrad, 1865a, p. 25

Marginella (Cryptospira) crassilabra (Conrad), de Gregorio, 1890, p. 60, pl. 4, fig. 23 copy Conrad, fig. 24 copy *M. anatina* I. Lea

Cryptospira crassilabra (Conrad), Cossmann, 1899b, p. 95, pl. 4, figs. 9, 10

Marginella silabra Palmer, 1937, p. 416, pl. 67, figs. 4, 9 new name for *Marginella crassilabra* Conrad; pl. 89, fig. 10 type *M. anatina* I. Lea; Brann and Kent, 1960, p. 531

Cryptospira (Euryentome) silabra (Palmer), Wenz, 1943, p. 1374, fig. 1388 copy Palmer; Glibert, 1960a, p. 86

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype *Marginella crassilabra* (= *M. silabra* Palmer new name), No. 14957 ANSP, Moore, 1962, p. 50. Holotype *M. anatina* I. Lea, No. 5888 ANSP

Cyclogyra rotella (I. Lea)
See *Pseudomalaxis rotella* (I. Lea)

Cyclogyra tipa de Gregorio
See *"Pseudomalaxis" tipa* (de Gregorio)

Cyclostrema (Daronia) nitens (I. Lea)
See *"Planaria" nitens* I. Lea

Cyclostremiscus dalli (Harris) **Vitrinellidae**

Adeorbis dalli Harris, 1899a, p. 95, pl. 12, figs. 5 ,5a; Brann and Kent, 1960, p. 27

Skenea dalli (Harris), Le Blanc, 1942+, p. 83, pl. 12, figs. 7, 8

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.

Type.—Holotype, No. 4125 PRI

Cyclostremiscus exacuus (Conrad) **Vitrinellidae**

Solarium axacuum [*sic*] Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70)

Delphinula plana I. Lea, 1833, p. 117, pl. 4, fig. 104; H. C. Lea, 1849, p. 99; Harris, 1895b, p. 34

Solarium exacuum Conrad, Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 48, pl. 17, fig. 5 (Harris reprint, 1893, p. 104, pl. 17, fig. 5); H. C. Lea, 1849, p. 105; de Gregorio, 1890, p. 135 in part, pl. 12, figs. 33, 34 copy *S. plana* Lea, figs. 35, 36 copies Conrad figs. 37-39; not figs. 40, 41 copy *S. delphinuloides* Meyer = *Circulus ottonius* Palmer; Harris, 1895b, p. 19

Solarium Exacutum [*sic*] Conrad, d'Orbigny, 1850, p. 348

Architectonica exacuua (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13

Architectonica plana (I. Lea), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13

Adeorbis exacua (Conrad), Dall, 1892, pp. 331, 344, 347

Adeorbis exacuus (Conrad), Cossmann, 1893, p. 25

Tornus (Adeorbis) exacuus (Conrad), Cossmann, 1918b, p. 98
Circulus exacuus (Conrad), Palmer, 1937, p. 53 as *exacuum*, pl. 5, figs. 28, 34, 37; Brann and Kent, 1960, p. 222; Glibert, 1962a, p. 71

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, 3 mi. WNW. of Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseleys Ferry, Brazos R.; *Bastrop Co.*, Little Brazos R., 2½ mi. above Stone City.
Types.—Lectotype, + 3 remaining specimens, No. 15389 ANSP, Moore, 1962, p. 59

Cyclostremiscus sylvaerupis (Harris) **Vitrinellidae**
Adeorbis sylvaerupis Harris, 1899a, p. 94, pl. 12, figs. 3, 3a; Brann and Kent, 1960, p. 27
Skenea sylvaerupis (Harris), Le Blanc, 1942+, p. 82

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.
Type.—Holotype, No. 1379 PRI

Cyclostremiscus, n. sp. **Vitrinellidae**
Adeorbis sylvaerupis Harris var., Harris, 1899a, p. 94, pl. 12, figs. 4, 4a

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Type.—Figured specimen, ANSP I Lea Coll.

Cylichna (Cylichnopsis) acrotoma Cossmann **Scaphandridae**
Cylichna acrotoma Cossmann, 1893, p. 50, pl. 1, fig. 40; pl. 2, fig. 1; Cossmann, 1904b, p. 118, fig. 13; Palmer, 1937, p. 478 [Cassmann *sic*], pl. 75, figs. 25, 26 *Cylichnopsis* section; Brann and Kent, 1960, p. 300
Cylichna (Cylichnopsis) acrotoma Cossmann, Zilch, 1959, p. 24, fig. 69; Glibert, 1962c, p. 43

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. Orangeburg
Types.—Syntypes (16), No. 11557 Lab. Géol., Sorbonne, Paris

Cylichna aldrichi (Langdon), Aldrich, 1897a; Harris, 1899a. Not Langdon, 1886
See *Abderospira sabina* Palmer
See also under *Abderospira aldrichi* (Langdon)

Cylichna (Cylichnella) bitruncata (Meyer) **Scaphandridae**

Bulla bitruncata Meyer, 1886, p. 76, pl. 2, fig. 24
Cylichnella bitruncata (Meyer), Harris and Palmer, 1947, p. 458, pl. 64, figs. 19, 20; Brann and Kent, 1960, p. 301

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type), Moodys Branch
Type.—Holotype, No. 638836 USNM

Cylichna (————) conica (Whitfield) **Scaphandridae**

Bulla conica Whitfield, 1892, p. 189, pl. 23, figs. 12, 13; Whitfield, 1899, p. 168
Not *Bulla Mortoni* Lyell and Forbes, Whitfield, 1892, pl. 20, figs. 7-9
Haminea mortoni (Forbes), Weller, 1907, p. 813 in part, not "Crosswicks Creek." Not Forbes, 1845, p. 63

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type) "base of Upper Green Marls"
Type.—Holotype, Columbia Univ. (Whitfield, 1899, Weller, 1907), not 1964; not AMNH, 1964

Cylichna (Mnestia) Dekayi (I. Lea)
See *Mnestia dekayi* (I. Lea)

Cylichna Dekayi (I. Lea) "var." Meyer, 1885a, 1887b
See *Mnestia meyeri* (Cossmann)

Cylichna galba (Conrad)
See *Retusa (Cylichnina) galba* (Conrad)

Cylichna galba (Conrad), Aldrich, 1886. Not Conrad, 1833b
See *Retusa (Cylichnina) sylvaerupis* Harris

Cylichna galba (Conrad), Heilprin, 1891a, p. 401 in part
See *Retusa (Cylichnina) kellogii* (Gabb)

"*Cylichna galba* ? Gabb," Harris, 1896
See *Retusa (Cylichnina)* sp.

Cylichna Jacksonensis Meyer
See *Retusa (Cylichnina) jacksonensis* (Meyer)

Cylichna Kellogii (Gabb)
See *Retusa (Cylichnina) kellogii* (Gabb)

Cylichna meyeri Aldrich
See *Atys (————) meyeri* (Aldrich)

Cylichna oviformis Meyer
See *Abderospira oviformis* (Meyer)

Cylichna cf. *radius* Meyer, 1885a. Not *Bulla radius* Deshayes, 1864
See *Rhizorus subradius* (Meyer)

Cylichna Saint-Hilairei [*sic*] (I. Lea)
See *Retusa (Cylichnina) galba* (Conrad)

Cylichna subradius Meyer
See *Rhizorus subradius* (Meyer)

Cylichna sylvaerupis Harris
See *Retusa (Cylichnina) sylvaerupis* (Harris)

Cylichna venusta Clark **Scaphandridae**

Cylichna venusta Clark, 1895, p. 4; Clark, 1896, p. 64, pl. 9, figs. 2a, 2b; Clark and Martin, 1901, p. 124, pl. 20, figs. 4a, 4b copy holotype

Range.—Paleocene. Aquia fm. Lower Eocene. Nanjemoy fm. (type)

Localities.—VA.: *King George Co.*, Woodstock (type); Potomac Cr.; 2 mi. below Potomac Cr. MD.: *Charles Co.*, W. of Port Tobacco; head of Nanjemoy Cr.; 1 mi. SE. of Mason Springs; Clifton Beach; *Prince Georges Co.*, 1 mi. NE. of Piscataway

Type.—Holotype, USNM

Cylichna volutata Meyer and Aldrich
See cf. *Rhizorus volutata* (Meyer and Aldrich)

Cylichna sp. Harris, 1896
See *Retusa (Cylichnina)* sp.

Cylichnella atysopsis Harris
See *"Atys" atysopsis* (Harris)

Cylichnella bitruncata (Meyer)
See *Cylichna (Cylichnella) bitruncata* (Meyer)

Cylichnina adamsi Palmer
See *Retusa (Cylichnina) adamsi* Palmer

Cylichnina emoryi Gardner
See *Retusa (Cylichnina) emoryi* Gardner

Cylichnina galba (Conrad)
See *Retusa (Cylichnina) galba* (Conrad)

Cylichnina jacksonensis (Meyer)
See *Retusa (Cylichnina) jacksonensis* (Meyer)

Cylichnina jacksonensis exta (Harris)
See *Retusa (Cylichnina) jacksonensis* exta (Harris)

Cylichnina kellogii (Gabb)
See *Retusa (Cylichnina) kellogii* (Gabb)

Cylichnopsis acrotoma (Cossmann)
See *Cylichna (Cylichnopsis) acrotoma* Cossmann

Cylindriscala albitesta (Meyer and Aldrich)
See *Pliciscala (Cylindriscala) albitesta* (Meyer and Aldrich)

Cf. **Cyllene bellana** Harris **Nassariidae**

Cyllene bellana Harris, 1897a, p. 479, pl. 23, fig. 4; Harris, 1899a, p. 52, pl. 6, fig. 11 on pl. as *Cylene* [*sic*]

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R. (type)

Type.—Lost *fide* Harris, 1899a, p. 52

Cymatosyrinx dorseyi (Cooke) **Turridae**

Drillia dorseyi Cooke, 1926b, p. 133, fig. 2
Cymatosyrinx dorseyi (Cooke), Harris and Palmer, 1947, p. 442, pl. 61, fig. 16 copy Cooke

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 353938 USNM

Cymatosyrinx fita (de Gregorio)
See ? *Surculoma (? Volutapex) fita* (de Gregorio)

Cymatosyrinx palmerae Harris **Turridae**

Cymatosyrinx palmerae Harris *in* Harris and Palmer, 1947, p. 442, pl. 61, fig. 17; Brann and Kent, 1960, p. 302

Range.—Upper Eocene. Danville Ldg. beds type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 4969 PRI

Cymba (Eucymba) ocalana Dall
See *Eucymba ocalana* Dall
See also *Eucymba* sp.

Cymbiola texana Gabb
See *Caricella demissa texana* (Gabb)

Cypraea alabamensis de Gregorio
See *Cypraeorbis alabamensis* (de Gregorio)

Cypraea attenuata Johnson
See *Transovula (Oxycypraea) transovuloides* (Schilder)

Cypraea dalli Aldrich
See *Cypraea healeyi* Aldrich
See also *Sulcocypraea conradi* (Schilder)

Cypraea eosmithi Aldrich
See *Eocypraea eosmithi* (Aldrich)

Cypraea estellensis Aldrich **Cypraeidae**

Cypraea estellensis Aldrich, 1921, p. 14, pl. 2, fig. 1; Ingram, 1942, p. 13
Eocypraea (Eocypraea) sabuloviridis estellensis (Aldrich), Schilder, 1932, p. 214

Range.—Paleocene. Surcanoochee cl. (type) = Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Pursley Creek (type)
Type.—Holotype, No. 6 GSATC

Cypraea estellensis Aldrich, Schilder, 1932, p. 214
See *Cypraea* sp.

Cypraea fenestralis Conrad
See *Cypraedia fenestralis* (Conrad)

Cypraea healeyi Aldrich **Cypraeidae**

Cypraea Dalli Aldrich, 1894a, p. 98 Oligocene, pl. 4, figs. 2, 2a; cf. Harris, 1897a, p. 474 Jackson Eocene, pl. 19, figs. 5, 5a; not figs. 6, 6a renamed *C. conradi* by Schilder, 1927, p. 74 Jackson Eocene; Schuchert, *et al.*, 1905, p. 196 Oligocene type. Not *Cypraea Dalli* Cossmann, 1893a, p. 13, fig. 11 Eocene France

Cf. *Cypraea (Cypraeovula) Dalli* Aldrich, Cossmann, 1903b, p. 169, pl. 9, figs. 6, 7 Jackson Eocene. Not *C. Dalli* Cossmann, 1893a

Cypraea healeyi Aldrich, 1923, p. 199 new name for *C. Dalli* Aldrich, 1894a, not *C. Dalli* Cossmann, 1893a, p. 13; Schilder, 1926, p. 359; Ingram, 1942, p. 14 Oligocene, pl. 2, figs. 1, 2 holotype, 3, 4; Harris and Palmer, 1947, p. 315, pl. 39, figs. 14, 16 holotype Oligocene, figs. 13, 15 Jackson Eocene; Brann and Kent, 1960, p. 305

Sulcocypraea healeyi (Aldrich), Schilder, 1927, p. 81; Palmer, 1937, pp. 235, 236

Sulcocypraea lintea healeyi (Aldrich), Schilder, 1932, p. 223 Oligocene not Jackson Eocene as stated

The specimens in the Jackson Eocene, not included under *C. conradi*, have been retained in *C. healeyi* Aldrich (type in the Oligocene). If the Jackson form is regarded as a distinct species from that of the Oligocene, the Jackson shells require a new name.

Range.—Upper Eocene. Cf. Moodys Branch fm., lower Jackson gr. Oligocene Red Bluff clay (type)

Localities.—MISS.: *Wayne Co.*, Red Bluff, Chickasawhay R. (type); cf. *Hinds Co.*, Jackson. Cf. LA.: *Grant Par.*, Montgomery Ldg., Red R.; ½ mi. below ferry Montgomery Ldg.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.

Type.—Holotype, No. 135157 USNM

Cypraea hemispherica Tuomey, 1848, p. 209 *nomen nudum;* Schilder, 1932, p. 243; Palmer, 1937, p. 232

Cypraea jacksonensis Johnson **Cypraeidae**

Cypraea jacksonensis Johnson, 1899, p. 77; Schilder, 1927, p. 162 ? *Lupo novula;* Ingram, 1942, p. 14, pl. 2, fig. 7 holotype; Harris and Palmer, 1947, p. 317, pl. 39, fig. 18

? *Eocypraea (Sphaerocypraea) jacksonensis* (Johnson), Schilder, 1932, p. 218

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.

Type.—Holotype, No. 7120 ANSP

Cypraea kennedyi Harris
See *Sulcocypraea kennedyi* (Harris)

Cypraea lapidosa Conrad *nomen nudum*

Cypraea lapidosa Conrad, 1842a, p. 174 *nomen nudum;* Dall, 1890, p. 165; Schilder, 1932, p. 243; Palmer, 1937, p. 232; Ingram, 1942, p. 11

Range.—"Lower Tertiary."

Locality.—S.C.

Type.—Holotype [unrecognizable internal mold] ANSP; missing Moore, 1962, p. 68

Cypraea lintea Conrad
Equals *Sulcocypraea lintea* (Conrad) Oligocene

Cypraea ludoviciana Johnson **Cypraeidae**

Cypraea ludoviciana Johnson, 1899, p. 77, pl. 2, fig. 6; Ingram, 1942, p. 15, pl. 2, figs. 10, 11 lectotype; Harris and Palmer, 1947, p. 317, pl. 39, figs. 3, 4 lectotype
Cypropterina (Jenneria) ludoviciana (Johnson), Schilder, 1927, p. 72
Cypropterina (Cypropterina) ludoviciana (Johnson), Schilder, 1932, p. 205

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R.

Type.—Lectotype, No. 13538 ANSP

Cypraea media alabamensis de Gregorio
See *Cypraeorbis alabamensis* (de Gregorio)

Cypraea nuculoides Aldrich
See *Cypraeorbis nuculoides* (Aldrich)

Cypraea pinguis Conrad
See *Cypraeorbis ventripotens* (Cossmann)

Cypraea sabuloviridis Whitfield **Cypraeidae**

Cypraea sabuloviridis Whitfield, 1892, p. 223, pl. 33, figs. 20-22; Palmer, 1937, p. 232 [as doubtful form]; Ingram, 1942, p. 20
Cypraea subuloviridis [*sic*] Whitfield, Whitfield, 1899, p. 169
Eocypraea (Eocypraea) sabuloviridis sabuloviridis (Whitfield), Schilder, 1927, p. 74 [not lower Eocene as given]; Schilder, 1932, p. 214

Range.—Middle Eocene. Shark R. fm. (type), upper Claiborne gr.

Localities.—N.J.: *Monmouth Co.*, Shark R. (type); Farmingdale

Type.—Not found Rutgers, 1965

Cypraea semen Tuomey, 1848, p. 209 *nomen nudum;* Schilder, 1932, p. 243; Palmer, 1937, p. 232. Not *C. semen* Cooke, 1919, p. 114

Cypraea smithii Aldrich
See *Eocypraea eosmithii* (Aldrichi)

Cypraea Smithi nobis Aldrich, 1921, p. 15 probably *C. smithii* Aldrich, 1886, p. 33 = *Eocypraea eosmithii* (Aldrich), 1923

Cypraea smithii Aldrich, Clark and Martin, 1901. Not Aldrich, 1886
See *Cypraea* sp.

Cypraea (Cypraedia) subcancellata Johnson
See *Cypraedia subcancellata* Johnson

Cypraea subuloviridis [*sic*] Whitfield
See *Cypraea sabuloviridis* Whitfield

Cypraea transovuloides Schilder
See *Transovula (Oxycypraea) transovuloides* (Schilder)

Cypraea tumulus Heilprin, Dall, 1915, p. 84 in part. Not Heilprin, 1887 Pliocene
See *Cypraeorbis ventripotens* (Cossmann)

Cypraea vaughani Johnson
See *Sulcocypraea vaughani* (Johnson)

Cypraea (Luponia) ventripotens (Cossmann)
See *Cypraeorbis ventripotens* (Cossmann)

Cypraea sp. **Cypraeidae**

Cypraea smithii Aldrich, Clark and Martin, 1901, p. 144, pl. 24, fig. 8. Not *C. smithii* Aldrich, 1886, p. 33

Range.—Lower Eocene. Nanjemoy fm.
Localities.—MD.: *Charles Co.*, west of Port Tobacco, ½ mi. below Chapel Point; head of Nanjemoy Cr.
Type.—Figured specimen, USNM

Cypraea sp. **Cypraeidae**

Cypraea sp. Aldrich, 1921, p. 15, pl. 2, figs. 2, 3
Cypraea estellensis Aldrich, Schilder, 1932, p. 214

Range.—Paleocene. Sucarnoochee cl. = Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Pursley Creek, 1 and 3 mi. S. of Estella
Type.—Figured specimen disintegrated, GSATC

Cypraea sp. **Cypraeidae**

Cypraea sp. Harbison, 1944, p. 6, pl. 3, fig. 1

Range.—Middle Eocene. Santee fm., upper Claiborne gr.
Locality.—S.C.: *Berkeley Co.*, Santee-Cooper Canal, 17 mi. NW. of Moncks Corner
Type.—Figured specimen, ANSP

Cypraea sp. **Cypraeidae**

Cypraea sp. Harris, 1896, p. 103

Range.—Paleocene. Midway gr.
Locality.—MISS.: *Tippah Co.*, ½ mi. N. of Ripley
Type.—Unfigured specimen unknown

Cypraea sp. **Cypraeidae**

Cypraea sp. Harris, 1896, p. 103

Range.—Paleocene. Midway gr.
Locality.—GA.: *Clay Co.*, Fort Gaines
Type.—Unfigured specimen unknown

Cypraea sp. **Cypraeidae**

Cypraea sp. a, Kellum, 1926, p. 28, pl. 5, fig. 8

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353268 USNM

Cypraea sp. **Cypraeidae**

Cypraea sp. b, Kellum, 1926, p. 28, pl. 5, fig. 9

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Localities.—N.C.: *Pender Co.*, old Rocky Point; *New Hanover Co.*, Wilmington

Type.—Figured specimen, No. 353267 USNM

Cypraea sp. **Cypraeidae**

Cypraea sp. c, Kellum, 1926, p. 28, pl. 5, fig. 10

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Localities.—N.C.: *Pender Co.*, old Rocky Point; *New Hanover Co.*, Wilmington

Type.—Figured specimen, No. 353266 USNM

Cypraea sp. **Cypraeidae**

Cypraea sp. d. Kellum, 1926, p. 28, pl. 5, figs. 11, 12

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Localities.—N.C.: *Pender Co.*, old Rocky Point; *New Hanover Co.*, Wilmington

Type.—Figured specimen, No. 353265 USNM

Cypraea sp. **Cypraeidae**

Cypraea sp. e, Kellum, 1926, p. 28, pl. 5, fig. 13

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *Pender Co.*, Wilmington

Type.—Figured specimen, No. 353264 USNM

Cypraea sp. **Cypraeidae**

Cypraea ? Gardner, 1935, p. 264, pl. 24, figs. 10, 11

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Bastrop Co.*, USGS Sta. 11678, ½-¾ mi. above Cedar Creek rd. on Half Mile Creek

Type.—Figured specimen, No. 370937 USNM

Cypraedia fenestralis Conrad **Amphiperatidae**

Cypraea (Cypraedia) fenestralis Conrad *in* Wailes, 1854, p. 289, pl. 17, figs. 5a, 5b as *fenestratis* (reprint, 1939, p. 19, pl. 4, figs. 5a, 5b); Conrad, 1856a, p. 262 (reprint, 1939, p. 8); Cossmann, 1893, p. 31

Cypraedia fenestralis Conrad, Conrad, 1865a, p. 31; Conrad, 1866a, p. 25; Heilprin, 1879b, p. 222; de Gregorio, 1890, p. 59 "M. Bocks" = "The Rocks", Ala. misquoted from Aldrich, 1886b, p. 43; Palmer, 1937, pp. 234, 235; Ingram, 1942, p. 19, pl. 4, figs. 2, 3 lectotype; Harris and Palmer, 1947, p. 320, pl. 40, figs. 9, 10 lectotype, 17, 18; Richards and Palmer, 1953, p. 26, pl. 5, figs. 2, 3; Brann and Kent, 1960, p. 306

Cypraea (Cypraeovula) fenestralis Conrad, Cossmann, 1903b, p. 170

Cypraea (Cypraedia) fenestralis fenestralis Conrad, Schilder, 1927, p. 68; Schilder, 1932, p. 210

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery, Red R.; *Caldwell Par.*, ½ mi. below Gibson Ldg., Ouachita R.
Type.—Lectotype, No. 13197 ANSP, Moore, 1962, p. 60

Cypraedia gilberti Palmer **Amphiperatidae**

Cypraedia gilberti Palmer, 1937, p. 234, pl. 30, figs. 27, 28; Ingram, 1942, p. 19, pl. 4, figs. 4, 5; Harris and Palmer, 1947, p. 321; Brann and Kent, 1960, p. 306

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2962 PRI

Cypraedia subcancellata Johnson **Amphiperatidae**

Cypraea (Cypraedia) subcancellata Johnson, 1899, p. 78, pl. 2, fig. 9
Cypraedia subcancellata Johnson, Schilder, 1927, p. 68; Schilder, 1932, p. 209 in part; Palmer, 1937, p. 234, pl. 30, fig. 20 copy Johnson; Ingram, 1942, p. 19, pl. 4, figs. 6, 7 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 7119 ANSP

Cypraeorbis alabamensis (de Gregorio) **Cypraeidae**

Cypraea media alabamensis de Gregorio, 1890, p. 59, pl. 9, figs. 8-10
Cypraea alabamensis de Gregorio, Cossmann, 1893, p. 31; Cossmann, 1903b, p. 157; Ingram, 1942, p. 12
Cypraeorbis alabamensis (de Gregorio), Schilder, 1927, p. 98; Palmer, 1937, p. 231, pl. 30, figs. 19, 25, 26 copies de Gregorio
Cypraeorbis (Cypraeorbis) alabamensis alabamensis (de Gregorio), Schilder, 1932, p. 124

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Cypraeorbis alabamensis nuculoides (Aldrich)
See *Cypraeorbis nuculoides* (Aldrich)

Cypraeorbis nuculoides (Aldrich) **Cypraeidae**

Cypraea nuculoides Aldrich, 1903, p. 98, pl. 3, figs. 4-6; Wheeler, 1909, p. 98; Ingram, 1942, p. 15, pl. 2, fig. 19 type
Cypraeorbis nuculoides (Aldrich), Schilder, 1927, p. 98; Palmer, 1937, p. 231, pl. 30, figs. 16-18 copies Aldrich
Cypraeorbis (Cypraeorbis) alabamensis nuculoides (Aldrich), Schilder, 1932, p. 124

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (Wheeler). Dubose's Mill in "West" Ala. (type). MISS.: *Clarke Co.*, De Soto; Mc Leod's Mill; Suwanlovey Cr., 6 mi. W. of De Soto Station on railroad; 3½ mi. below Quitman, Chickasawhay R.
Type.—No. 639014 USNM not holotype *fide* D. Wilson, Dec., 1963 pers. com.

Cypraeorbis ventripotens (Cossmann) **Cypraeidae**

Cypraea pinguis Conrad *in* Wailes, 1854, p. 289 [*penguis*], pl. 17, figs. 3a, 3b (reprint, 1939, p. 19, pl. 4, figs. 3a, 3b); Conrad, 1856a, p. 262 (reprint, 1939, p. 8); Dall, 1890, p. 164 in part, not pl. 11, figs. 1, 1a = Miocene; Harris, 1897a, p. 474, pl. 19, figs. 4, 4a; Ingram, 1942, p. 15; Shimer and Shrock, 1944, p. 500. Not Bonelli, 1827, Catalogue Museum Zoology Torino, No. 3706 (manuscript); not *C. annulus pinguis* Grateloup, 1840, pl. 41, fig. 23 not fig. 25 as on ex. pl.

Cypregea ventripotens Cossmann, 1903b, p. 161 new name *C. pinguis* Conrad, 1854. Not Bonelli, 1827 as *in* Cossmann = Grateloup, 1840, pl. 41, fig. 23 not pl. 25 as on ex. pl.

Cypraeorbis (Cypraeorbis) ventripotens (Cossmann), Schilder, 1927, p. 98; Schilder, 1932, p. 124

Cypraea tumulus Heilprin, Dall, 1915, p. 84 in part, not pl. 3, figs. 1, 12 = Miocene. Not *C. tumulus* Heilprin, 1887, p. 111 = Pliocene, Fla. as in Dall, 1915, p. 84

Cypraeorbis ventripotens (Cossmann), Harris and Palmer, 1947, p. 318, pl. 40, figs. 11, 12, 15, 16; Brann and Kent, 1960, p. 306

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo clay, upper Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type), Town Cr. LA.: *Grant Par.*, Montgomery Ldg., Red R.; ½ mi. below ferry, Montgomery Ldg., Red R.

Type.—Lectotype *C. pinguis* Conrad, No. 13198 ANSP Moore, 1962, p. 87

Cypraeovula Dalli (Aldrich)
See *Cypraea healeyi* Aldrich

Cypraeovula fenestralis (Conrad)
See *Cypraedia fenestralis* Conrad

Cypropterina (Jenneria) ludoviciana (Johnson)
See *Cypraea ludoviciana* Johnson

Cypropterina (Jenneria) transovuloides (Schilder)
See *Transovula (Oxycypraea) transovuloides* (Schilder)

Cythara ? leania Harris
See *"Pleurotoma" (Cythara?) leania* Harris

Cythara nereidis Conrad **Turridae**

Cithara [*sic*] *Nereidis* Conrad, 1860, p. 293

Otocheilus nereidis (Conrad), Conrad, 1865a, p. 24; Conrad, 1866a, p. 16

(Otocheilus ? nereidis Conr. sp. dub.), de Gregorio, 1890, p. 70

Range.—Eocene.

Locality.—ALA.: (type). Dr. Showalter. Locality unknown. Species not rediscovered to verify locality.

Type.—Not mentioned in Moore, 1962.

Daphnella gregorioi (Cossmann) **Turridae**

Pleurotoma cancellatum H. C. Lea, 1841, p. 98, pl. 1, fig. 13; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 9. Not *P. cancellatum* Deshayes, 1834a, p. 474

Pleurotoma (Surcula) cancellata H. C. Lea, de Gregorio, 1890, p. 33, pl. 2, fig. 63 copy H. C. Lea
Pleurotoma Gregorioi Cossmann, 1892, p. 994 new name for *P. cancellatum* H. C. Lea, 1841, not Deshayes, 1834a, p. 474; Cossmann, 1893, p. 44
Daphnella gregorioi (Cossmann), Harris, 1937, p. 74, pl. 13, fig. 10; Brann and Kent, 1960, p. 313 [read (Cossmann)]

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, *Pleurotoma cancellatum* H. C. Lea No. 13180 ANSP

Daphnella imperita Harris **Turridae**

Daphnella imperita Harris, 1937, p. 74, pl. 13, figs. 8, 9; Brann and Kent, 1960, p. 313

Range.—Middle Eocene. Cook Mt. fm., (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Hickory (type). S.C.: *Orangeburg Co.*, Orangeburg
Types.—Holotype, No. 2577; paratype, No. 2578 PRI

Daphnella (Raphitoma) meridionalis (Meyer)
See *Eoclathurella meridionalis* (Meyer)

Daphnella quindecima Harris **Turridae**

Daphnella quindecima Harris, 1937, p. 74, pl. 13, fig. 7; Brann and Kent, 1960, p. 313

Range.—Middle Eocene. Cook Mt. fm. type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, about 2 mi. NE. of Newton, on north end of a deep cut, Route 15 (type)
Type.—Holotype, No. 2576 PRI

Daphnella (Raphitoma) venusta (I. Lea)
See *Raphitoma (Microsurcula) venusta* (I. Lea)

Daronia nitens (I. Lea)
See "*Planaria*" *nitens* I. Lea

Dasyostoma rugostomum (Johnson)
See *Dientomochilus (Dasyostoma) rugostomum* (Johnson)

"Delphinula concionaria" de Gregorio **Trochidae**

Delphinula concionaria de Gregorio, 1890, p. 142, pl. 13, fig. 30; Dall, 1892, p. 411 as *conscionaria* [*sic*]
Collonia concionaria ? (de Gregorio), Cossmann, 1893, p. 22, pl. 1, fig. 23
Leptothyra (Eutinochilus) concioniaria [*sic*] (de Gregorio), Cossmann, 1918b, p. 130
"*Delphinula concionaria*" de Gregorio, Palmer, 1937, p. 44, pl. 5, fig. 31 copy de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Delphinula depressa I. Lea
See *Solariorbis depressus* (I. Lea)

Delphinula granulata (I. Lea)
See *Solariella tricostata* (Conrad)

Delphinula lineata (I. Lea)
See *Cirsochilus (Claibornia) lineatum* (I. Lea)

Delphinula nitens (I. Lea)
See *Norrisia (Norrisella) nitens* (I. Lea)

Delphinula plana I. Lea
See *Cyclostremiscus exacuus* (Conrad)

? *Delphinula solaroides* Heilprin
See *Solariella stalagmium* (Conrad)

Dentimargo constrictoides (Meyer and Aldrich)
See *Marginella (Dentimargo) constrictoides* Meyer and Aldrich

Dentiterebra prima Meyer **Columbellidae**

Dentiterebra prima Meyer, 1887b, p. 52, pl. 3, fig. 2; Cossmann, 1893, p. 33; Pace, 1902, p. 123; Palmer, 1937, p. 286, pl. 37, fig. 5 copy Meyer; Wenz, 1941, p. 1147, fig. 3262 Meyer

Columbella (Anachis) prima (Meyer), Dall, 1890, p. 135

Columbella (Dentiterebra) prima Meyer, de Gregorio, 1890, p. 112, pl. 8, fig. 33 copy Meyer

Cerithium miturum de Gregorio, 1890, p. 118, pl. 10, fig. 27 *fide* Palmer, 1937, p. 222; Dall, 1892, p. 277 *Anachis*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 644603 USNM

Diastoma sp. **Diastomatidae**

Diastoma sp. Palmer *in* Richards and Palmer, 1953, p. 15, pl. 7, fig. 8

Range.—Upper Eocene. Inglis fm., lower Ocala gr.

Locality.—FLA.: *Levy Co.*, Withlacoochee R. at dam Fla. Power Corp. in SW. ¼ sec. 8, T. 17 S., R. 17 E.

Type.—Figured specimen No. I-7404 Fla. Geol. Sur.

Dientomochilus (Ectinochilus) laqueatum (Conrad)
See *Ectinochilus laqueatum* (Conrad)

Dientomochilus (Dasyostoma) rugostomum (Johnson) **Strombidae**

Rimella rugostoma Johnson, 1899, p. 79, pl. 2, fig. 10

Ectinochilus (Dasyostoma) rugostomum (Johnson), Stewart, 1927, p. 368; Wenz, 1940, p. 933, fig. 2730 Johnson, Mississippi not Missouri

Dientomochilus rugostomum (Johnson), Wrigley, 1938, p. 75

Dientomochilus (Dasyostoma) rugostomum (Johnson), Harris and Palmer, 1947, p. 310, pl. 42, figs. 4, 5; Brann and Kent, 1960, p. 327

Range.—Upper Eocene. Moodys Branch fm. type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.
Type.—Holotype, No. 9683 ANSP

Dientomochilus Smithi (Dall)
See *Rimella smithii* Dall

Dillwynella naticoides (I. Lea)
See *Tiburnus eboreus* (Conrad)

Dillwynella ? texana Harris
See *Tiburnus texanus* (Harris)

Diodora alabama (Harris) **Fissurellidae**

Fissurella alabama Harris, 1899a, p. 102, pl. 12, figs. 23, 23a; Le Blanc, 1942+, p. 80, pl. 12, fig. 2

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type). LA.: *Sabine Par.*, gravel pit local rd. in SE. ¼ SW. ¼ NW. ¼ sec. 22, T. 6 N., R. 13 W.; road bed SW. ¼ NE. ¼ NE. ¼ sec. 21, T. 6 N., R. 13 W.
Type.—Holotype, I. Lea Coll., ANSP

Diodora infrequens (Aldrich) **Fissurellidae**

Fissuridea infrequens Aldrich, 1903, p. 98, pl. 3, figs. 8, 9
Diodora infrequens (Aldrich), Palmer, 1937, p. 29, pl. 3, figs. 4, 5 copies Aldrich

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—MISS.: *Clarke Co.*, on the Chickasawhay R., 3½ mi. below Quitman (type)
Type.—Holotype, No. 639015 USNM

Diodora marlboroensis (Clark and Martin) **Fissurellidae**

Fissuridea Marlboroensis Clark and Martin, 1901, p. 158, pl. 29, figs. 6, 6a

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Prince Georges Co.*, Upper Marlboro (type)
Type.—Holotype, USNM

Diodora mauryi (Aldrich) **Fissurellidae**

Fissuridea mauryi Aldrich, 1910b, p. 73, pl. 4, figs. 1, 2

Range.—Paleocene. Naheola fm. (type), upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Dale Branch near Oak Hill (type)
Type.—Holotype, No. 639104 USNM

Cf. **Diodora mediavia** (Harris) **Fissurellidae**

Fissurella mediavia Harris, 1896, p. 121, pl. 12, figs. 26, 26a; Brann and Kent, 1960, p. 392

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Locality.—ALA.: *Wilcox Co.*, 1½ mi. SW. of Palmer's Mill, Smith's bridge on the Camden Rd., 5 mi. W. of Snow Hill (type)

Type.—Holotype, No. 115 PRI

Diodora penderensis (Kellum) **Fissurellidae**

Fissuridea penderensis Kellum, 1926, p. 25, pl. 3, fig. 9

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr.

Locality.—N.C.: *Pender Co.*, old Rocky Point (type)

Type.—Holotype, No. 138112 USNM

Diodora tenebrosa (Conrad) **Fissurellidae**

Fissurella tenebrosa Conrad, 1833b, p. 33 [not pl. 17, fig. 5] (Harris reprint, 1893, p. 55); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 39, pl. 15, fig. 9; (Harris reprint, 1893, p. 95, pl. 15, fig. 9); H. C. Lea, 1849, p. 99; d'Orbigny, 1850, p. 371; Conrad, 1865a, p. 34; Conrad, 1866a, p. 10; de Gregorio, 1890, p. 147, pl. 14, fig. 10 copy *F. clairornesis* I Lea, figs. 11-15, fig. 16 copy Conrad; Cossmann, 1893, p. 20; Harris, 1895b, p. 45

Fissurella Claibornensis I. Lea, 1833, p. 94, pl. 3, fig. 74; H. C. Lea, 1849, p. 99; Cossmann, 1893, p. 20; Harris, 1895b, p. 11 = *F. tenebrosa* Conrad

Fissuridea tenebrosa (Conrad), Pilsbry and Johnson, 1892, p. 106; Dall, 1892, p. 425

Diodora tenebrosa (Conrad), Palmer, 1937, p. 27, in part, pl. 3, figs. 7, 10, 12, 13; not figs. 2, 9 = *D. tenebrosa antica* Palmer, not lower Eocene see *Diodora* sp.; Brann and Kent, 1960, pp. 327, 328 (Nos. 2662-2664 only); Glibert, 1962a, p. 16

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, Palmer, 1937, p. 29 not recognized by Moore. Four specimens, No. 30504 ANSP, Moore, 1962, p. 101. Holotype *F. claibornensis* I. Lea, No. 5450 ANSP

Diodora tenebrosa antica Palmer **Fissurellidae**

Diodora tenebrosa (Conrad), Palmer, 1937, p. 28 in part, pl. 3, figs. 2, 9 only; Brann and Kent, 1960, p. 327 No. 2661

Diodora tenebrosa antica Palmer *in* Harris and Palmer, 1947, p. 218, pl. 27, figs. 11-13; Brann and Kent, 1960, p. 328

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Hickory (type); *Clarke Co.*, Wautubbee. LA.: *Bienville Par.*, Hammett's Branch, T. 18 N., R. 6 W. about 2 mi. NE of Mt. Lebanon. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg

Types.—Holotype, No. 2661; paratypes, Nos. 4488-4490 PRI

Diodora tenebrosa veatchi Palmer **Fissurellidae**

? *Fissurella claibornensis* Meyer and Aldrich, 1886, p. 47 in part Jackson only. Not *F. claibornensis* I. Lea, 1833, p. 94

Diodora tenebrosa veatchi Palmer *in* Harris and Palmer, 1947, p. 219, pl. 27, figs. 15, 16; Brann and Kent, 1960, p. 328

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—LA.: *Caldwell Par.*, Gibson Ldg., Ouachita R. (type). MISS.: *Hinds Co.*, Jackson, Town Cr.

Type.—Holotype, No. 4491 PRI

Diodora unilineata (Aldrich) **Fissurellidae**

Fissurella unilineatus Aldrich, 1907, p. 11, pl. 1, fig. 10

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 639048 USNM

Diodora sp. **Fissurellidae**

Diodora tenebrosa (Conrad), Palmer, 1937, p. 29 in part

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Types.—Specimen, Aldrich Coll. 1937. Possibly Geol. Sur. Ala.

Diodora sp. **Fissurellidae**

Fissuridea sp., Kellum, 1926, p. 25, pl. 3, fig. 10

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington

Type.—Figured specimen, No. 353280 USNM

Diodora ? sp. **Fissurellidae**

Fissurella ? sp. Le Blanc, 1942$^+$, p. 81

Range.—Paleocene. "Logansport fm." [name preoccupied], middle Midway gr.

Locality.—LA.: *Natchitoches Par.*, road cut NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W.

Type.—Unfigured specimen, No. 3421 LSU Pal. Mus.

Diodora ? sp. **Fissurellidae**

Fissurella ? sp. Le Blanc, 1942$^+$, p. 81

Range.—Paleocene. "Logansport fm." [name preoccupied], middle Midway gr.

Locality.—LA.: *Natchitoches Par.*, field N. of farmhouse NE. ¼ NW. ¼ sec. 34, T. 10 N., R. 10 W.

Type.—Unfigured specimen not LSU Pal. Mus. 1964

Dirocerithium americanum (Palmer) **Cerithiidae**

Bellatara americana Palmer *in* Richards and Palmer, 1953, p. 18, pl. 2, figs. 3, 9, 12

Dirocerithium americanum (Palmer), Woodring, 1959, pp. 174, 175

Range.—Middle Eocene. Avon Park ls., upper Claiborne gr. Upper Eocene. Inglis fm. (type), lower Ocala gr.

Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits Gulf Hammock, just SW. State Road 55, in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); timber road NW. ¼ SW. ¼ sec. 14, T. 14 S., R. 15 E.

Types.—Holotype I-7407; paratypes I-7408, I-7409, I-7410 Fla. Geol. Sur.

Dirocerithium vinctum (Whitfield) **Cerithiidae**

Cerithium vinctum Whitfield, 1865, p. 265, pl. 27, fig. 8; Conrad, 1866a, p. 12; Aldrich, 1887, p. 80; Dall, 1892, p. 285 in part, pl. 22, fig. 9; Whitfield, 1899, p. 168; Schuchert, *et al.*, 1905, p. 141 Lisbon Gardner, 1945, p. 158, pl. 14, figs. 3, 7 holotype

Cf. *Turritella miroplita* de Gregorio, 1890, p. 123, pl. 11, fig. 10

Fastigiella vinctum (Whitfield), Cossmann, 1906b, p. 94

Clava ("Ochetoclava") vincta (Whitfield), Palmer, 1937, p. 217 in part, pl. 29, figs. 7, 18 (not Heilprin as in explanation) figs. 10, 11 (not Heilprin as in explanation) holotype; not pl. 29, fig. 15 copy McConnell drawing; not fig. 16 copy *Vertagus wechesensis;* not figs. 17, 19 = *Dirocerithium wechesense* Stenzel; Brann and Kent, 1960, p. 227 in part No. 2949 only

Dirocerithium vinctum (Whitfield), Woodring, 1959, pp. 173, 174

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type), not Vicksburg as in Whitfield

Types.—Syntypes (4), No. UC 24673 CNHM

Dirocerithium wechesense Stenzel *in* Woodring **Cerithiidae**

Cerithium vincta Whitfield, Dall, 1892, p. 285 in part

Vertagus wechesense Stenzel *in* Renick and Stenzel, 1931, pp. 87, 89, 90 name only, pl. 6, fig. 8; p. 87 footnote = *Cerithium vinctum* Harris ms. not Whitfield, 1865

Clava ("Ochetoclava") vincta (Whitfield), Palmer, 1937, p. 217 in part, pl. 29, fig. 15-17, 19, not figs 7, 10, 11, 18; Brann and Kent, 1960, p. 227 in part No. 2950 only. Not *Clava vincta* (Whitfield), 1865, p. 265

Bellatara wechesensis (Stenzel), Richards and Palmer, 1953, p. 20 name only

Dirocerithium wechesense Stenzel *in* Woodring, 1959, p. 175, pl. 24, figs. 10, 12-14

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Localities.—TEXAS: (central) *Leon Co.*, road cut on abandoned county road adjoining new Marquez-Centerville road (State Highway 7), 0.6 miles east of crossroads known as Robbins (type); *Robertson Co.*, Buck McBride's 134 acre tract José Maria Viesca Survey

Type.—Holotype, No. 21297 BEG

Dirocerithium whitfieldi (Heilprin) Pl. 4, figs. 1-3 **Cerithiidae**

Rostellaria whitfieldi Heilprin, 1879a, p. 216, pl. 13, fig. 14
Cerithium whitfieldi (Heilprin), not Heilprin, 1891a, p. 401; Dall, 1892, p. 286; Aldrich, 1894b, p. 245; Palmer, 1937, p. 215, pl. 28, fig. 8 copy Heilprin, 1879a
Dirocerithium whitfieldi (Heilprin), Woodring, 1959, pp. 173, 174

The late H. E. Wheeler sent to the senior author in 1955 a remarkable specimen of this species from Claiborne Bluff, the type locality. The apertural portion is so perfect that we have figured the shell and a second specimen which shows the upper spire. The species has heretofore been known only from the incomplete type drawing. See dimensions on explanation of plate.

Range.—Middle Eocene. Gosport sd., (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 10166/1 Cat. No. 5566/1 AMNH

Discohelix rotella (I. Lea)
See *Pseudomalaxis rotella* (I. Lea)

Discohelix texana Aldrich
See *Pseudomalaxis texana* (Aldrich)

Discohelix verrilli Aldrich
See *Pseudomalaxis verrilli* (Aldrich)

Distorsio (Personella) jacksonensis (Meyer) **Cymatiidae**

Distortrix Jacksonensis Meyer, 1885a, pp. 464, 468; Meyer and Aldrich, 1886, p. 50, in footnote, as a variety of *D. septemdentata* Gabb, 1860d
Distorsio (Personella) septemdentata jacksonensis (Meyer), Harris and Palmer, 1947, p. 336, pl. 44, figs. 7, 9 holotype, fig. 8; Brann and Kent, 1960, p. 334
Distorsio (Personella) jacksonensis (Meyer), Emerson and Puffer, 1953, p. 101; Richards and Palmer, 1953, p. 29, pl. 7, figs. 10, 11

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Inglis fm., lower Ocala gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R. FLA.: *Levy Co.*, Gulf Hammock, SW. ¼ sec. 34, T. 14 S., R. 16 E. (Richards and Palmer)
Type.—Holotype, No. 638708 USNM

Distorsio (Personella) septemdentata Gabb **Cymatiidae**

Distorsio septemdentata Gabb, 1860d, p. 380, pl. 67, fig. 21; Renick and Stenzel, 1931, pl. 6, fig. 7
Distorsio (Personella) septemdentata (Gabb), Conrad, 1865a, p. 21; Conrad, 1866a, p. 17; Pilsbry, 1922, p. 357; Woodring, 1928, p. 299; Palmer, 1937, p. 260, pl. 34, figs. 10, 11; Wenz, 1941, p. 1065, fig. 3041 as *septemdentatus* copy Cossmann; Harris and Palmer, 1947, pp. 336, 337; Brann and Kent, 1960, p. 334; Glibert, 1963a, p. 117
Personella septemdentata (Gabb), Tryon, 1881, p. 6; Veatch, 1906, pl. 19, fig. 4 as *sepdentata* [*sic*]; Wrigley, 1932, p. 136, pl. 11, fig. 18 Morleys [*sic*] Moseley's Ferry
Triton (Personella) septemdentata (Gabb), Tryon, 1883b, p. 124, pl. 46, fig. 61
Persona (Distorsio) septemdentata Gabb, Heilprin, 1891a, p. 395

Persona septemradiata (Gabb), Cossmann, 1893, p. 32 [error for *septemdentata*]
Persona septemdentatum (Gabb), Cossmann, 1903b, p. 104, pl. 4, fig. 16

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Wheelock mem., Cook Mt. fm., upper Claiborne gr. [Either horizon type, to be determined by locality of lectotype]

Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry (type ?) [Stone City Bluff], Brazos R.; big branch of Cedar Creek, east of Mr. Pollard's deceased farm 3 mi. NW. of Stone City, [probably Cedar Cr. near Wheelock, *Robertson Co.*, *fide* Stenzel, 1959]; Wheelock (type ?) (see Stenzel, Krause, and Twining, 1957, p. 10); *Sabine Co.*, Sabine R., SW. corner of SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrops 21 and 22 (Veatch, 1902, p. 129). LA.: *Sabine Par.*, Columbus; Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; well at Monroe; *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; Hickory; 2 mi. NE. of Newton on route 15; *Clarke Co.*, Wautubbee

Type.—Lectotype, No. 13284 ANSP

Distorsio (Personella) septemdentata jacksonensis (Meyer)
See *Distorsio (Personella) jacksonensis* (Meyer)

Distortrix Jacksonensis Meyer
See *Distorsio (Personella) jacksonensis* (Meyer)

Distortrix septemdentata (Gabb) "var.", Meyer and Aldrich, 1886
See *Distorsio (Personella) jacksonensis* (Meyer)

Dolicholathyrus pulcher (I. Lea)
See *Exilifusus thalloides* (Conrad)

Dolicholathyrus (Pseudolathyrus) tortilis (Whitfield)
See *Latirus tortilis* (Whitfield)

Dolicholatirus harrisi (Johnson)
See *Latirus (Dolicholatirus) harrisi* Johnson

Dolicholatirus leanus [*sic*] (Harris), Cossmann, 1901b
See Latirus (Dolicholatirus) leaensis Harris

Dolicholatirus obtusus (Johnson)
See *Latirus (Dolicholatirus) obtusus* Johnson

Dolicholatirus perexilis (Conrad) Palmer, 1937 in part. Not *Turbinella perexilis* (Conrad), 1848a Oligocene
See *Latirus (Dolicholatirus) harrisi* Johnson

Dolicholatirus perexilis (Conrad) "var.", Brann and Kent, 1960
See *Latirus (Dolicholatirus) harrisi* Johnson

Dolicholatirus singleyi Harris
See *Latirus (Dolicholatirus) singleyi* Harris

Dolichotoma congesta refervens de Gregorio
See *Bathytoma congesta refervens* (de Gregorio)

Doliocassis nupera (Conrad) **Cassididae**

Cassis nuperus Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 370; Harris, 1895b, p. 30

Buccinum Sowerbii I. Lea, 1833, p. 164, pl. 5, fig. 169; H. C. Lea, 1849, p. 97; Harris, 1895b, p. 42 = *Cassis nuperus* Conrad

Semicassis nupera (Conrad), Conrad, 1865a, p. 26; Conrad, 1866a, p. 15

Semicassis Sowerbii (I. Lea), Conrad, 1865a, p. 26; Conrad, 1866a, p. 15; Cossmann, 1893, p. 32

Cassis Sowerbyi (I. Lea), de Gregorio, 1890, p. 99, pl. 7, fig. 49 copy I. Lea, figs. 50, a, b

Cassidea (Semicassis) nupera Conrad, Cossmann, 1903b, p. 128

Doliocassis sowerbyi (I. Lea), Dall, 1909, p. 62; Wrigley, 1934, p. 109

Cassidea (Doliocassis) Sowerbyi (I. Lea), Cossmann, 1912b, p. 159, pl. 8, figs. 14, 15

Sconsia nupera (Conrad), Pilsbry, 1922, p. 361; Wrigley, 1934, pp. 115, 129; Glibert, 1963a, p. 109

Sconsia (Galeodosconsia) nupera (Conrad), Woodring, 1928, p. 308

Sconsia (Doliocassis) nupera (Conrad), Davies, 1935, p. 269; Palmer, 1937, p. 253, pl. 31, figs. 12, 18 [not figs. 12-18]; pl. 83, fig. 7 type *Buccinum Sowerbii* I. Lea, fig. 11 type *Sconsia (Doliocassis) nupera* (Conrad); Wenz, 1941, p. 1048, fig. 3000 Cossmann; Brann and Kent, 1960, p. 788

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype upper middle on a card + 9 paralectotypes, ANSP *fide* Palmer, 1937, p. 255. Not found Moore, 1962, p. 80. Holotype, *B. Sowerbii* I. Lea, No. 5837 ANSP

Doliocassis sowerbyi (I. Lea)
See *Doliocassis nuperus* (Conrad)

Doliopsis quinquecostata Conrad
See *Galeodea petersoni* (Conrad)

Doliopsis tricarinatum Conrad, 1865a, p. 26 *nomen nudum.* See Harris and Palmer, 1947, p. 334

Dorsanum bellaliratum (Gabb) **Nassariidae**

Phos bellaliratus Gabb, 1862c, p. 367

Sagenella bellalvirata [*sic*] (Gabb), Conrad, 1865a, p. 21 as *Ragenella* [*sic*]; Conrad, 1866a, p. 18 as *bellilirata* [*sic*]

Buccinum (Buccitriton) bellaliratum (Gabb), de Gregorio, 1890, p. 104

? *Buccinum (Nassa) confiscatum* de Gregorio, 1890, p. 106, pl. 8, figs. 20, 21

Dorsanum bellaliratum (Gabb), Palmer, 1937, p. 299 *D. bellaliratus,* pl. 41, fig. 1 holotype

Dorsanum (Sagenella ?) bellaliratum (Gabb), Wenz, 1943, p. 1224, fig. 3480 copy Palmer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype ANSP

Dorsanum scalatum (Heilprin) **Nassariidae**

Buccitriton scalatum Heilprin, 1891a, pp. 399, 405, pl. 11, fig. 5
Phos (Buccitriton) scalatum Heilprin, Cossmann, 1901b, p. 160
Dorsanum scalatum (Heilprin), Palmer, 1937, p. 300, pl. 41, figs. 5, 10; LeBlanc, 1942+, p. 123 in part, not pl. 15, figs. 5, 6; Brann and Kent, 1960, p. 338

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; cf. Stone City beds, middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); cf. *Burleson Co.*, Stone City beds, Brazos R.

Type.—Holotype not found in ANSP or Geol. Dept., Univ. of Texas or BEG

Dorsanum scalatum (Heilprin), Le Blanc, 1942+. Not Heilprin, 1891a
See *Dorsanum*, n. sp.

Dorsanum, n. sp. **Nassariidae**

Dorsanum scalatum (Heilprin), Le Blanc, 1942+, p. 123, pl. 15, figs. 5, 6. Not *D. scalatum* (Heilprin), 1891a, p. 405

Range.—Lower Eocene. Sabinetown fm., upper Wilcox [Sabine] gr.

Locality.—TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.

Type.—Figured specimen, No. 6027 LSU Pal. Mus.

Drillia abundans pulchreconcha de Gregorio
See *Drillia pulchreconcha* de Gregorio

Drillia anteatripla (de Gregorio)
See *Tripia anteatripla* de Gregorio

Drilllia ? dipta Harris **Turridae**

Pleurotoma (Drillia) dipta Harris, 1895a, p. 59, pl. 5, fig. 3
"*Drillia dipta*" Harris, Harris, 1937, p. 88, pl. 14, fig. 25 holotype; Casey, 1904, p. 144

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Cherokee Co.*, Baptizing Creek, H. Kimble headright (type)

Type.—Holotype, No. 35626 BEG

Drillia dorseyi Cooke
See *Cymatosyrinx dorseyi* (Cooke)

Drillia dumblei Harris
See *Surculoma dumblei* (Harris)

Drillia elaborata (Conrad)
See *Scobinella (Moniliopsis) elaborata* (Conrad)

Drillia (Cymatosyrinx) fita de Gregorio
See *Surculoma (Volutapex ?) fita* (de Gregorio)

Drillia kellogi (Gabb)
See *Surculoma ? (Volutapex ?) kellogii* (Gabb)

Drillia laevis Conrad *nomen nudum*
Drillia laevis Conrad, 1865a, p. 19; Conrad, 1866a, p. 18; Harris, 1895a, pp. 23, 26 under *Pleurotoma lonsdalii;* Moore, 1962, p. 68 specimen (not type) missing ANSP
Pleurotoma (Drillia) laevis Conrad ?, de Gregorio, 1890, p. 36
Eodrillia laevis Conrad, Harris, 1937, p. 86 under *Eodrillia lonsdalei.*
See *Eodrillia lonsdalii* (I. Lea)

Drillia lonsdalii (I. Lea)
See *Eodrillia lonsdalii* (I. Lea)

Drillia nodocarinata (Gabb)
See *Hesperiturris nodocarinatus* (Gabb)

Drillia Pinaculina de Gregorio
See *Eodrillia lonsdalii* (I. Lea)

Drillia prosseri (Harris)
See *Pleurofusia prosseri* (Harris)

Drillia pulchreconcha de Gregorio **Turridae**
Pleurotoma (Drillia) abundans pulchreconcha de Gregorio, 1890, p. 36, ? pl. 2, figs. 35a, b as *abundans*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr. (type)
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Siciliy. Lost

Drillia quercollis Harris **Turridae**
Pleurotoma (Drillia) quercollis Harris, 1896, p. 79, pl. 7, fig. 18

Range.—Paleocene. Naheola fm., upper Midway gr. (type)
Locality.—ALA.: *Wilcox Co.*, probably 1 mi. W. of Oak Hill P. O. (type)
Type.—Holotype, No. 129585 USNM

Drillia solitariuscula de Gregorio **Turridae**
Pleurotoma (Drillia) solitariuscula de Gregorio, 1890, p. 35, pl. 2, figs. 29, 30
Drillia solitariuscula de Gregorio, Cossmann, 1893, p. 45
Eodrillia solitariuscula (de Gregorio), Casey, 1904, p. 160 = *Eodrillia depygis* (Conrad)

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Drillia surculopsis de Gregorio **Turridae**
Pleurotoma (Drillia) surculopsis de Gregorio, 1890, p. 35, pl. 2, figs. 31, 32
Drillia surculopsis de Gregorio, Cossmann, 1893, p. 46 under *lonsdalii*
Eodrillia depygis surculopsis (de Gregorio) Casey, 1904, p. 160

Range.—Probably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Probably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Drillia taltibia (de Gregorio)
See *Surcula taltibia* de Gregorio

Drillia texacona Harris
See *Eodrillia texana* (Conrad)

Drillia texana Conrad
See *Eodrillia texana* (Conrad)

Drillia texanopsis Harris
See *Eodrillia texanopsis* (Harris)

Eburna Hatchetigbeensis (Aldrich)
See *Cornulina hatchetigbeensis* (Aldrich)

Ectinochilus laqueatum (Conrad) **Strombidae**

Rostellaria laqueatum Conrad, 1833c, p. 41 (Harris reprint, 1893, p. 67); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 38, pl. 15, fig. 4 not 5 (Harris reprint, 1893, p. 94, pl. 15, fig. 4 not fig. 5 as in text); Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 356; Tuomey, 1858, pp. 267, 274; Harris, 1895b, p. 23; Rutsch, 1930, p. 606

Rostellaria Cuvieri I. Lea, 1833, p. 160, pl. 5, fig. 165; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 14 = *R. laqueatum* Conrad

Rimella laqueata (Conrad), Conrad, 1858b, p. 166; Conrad, 1865a, p. 31; Conrad, 1866a, p. 13; Cossmann, 1893, p. 31

Strombus canalis Lamarck, de Gregorio, 1890, p. 113, pl. 9, figs. 16, 17, fig. 18 copy *Rostellaria cuvieri* I. Lea, fig. 19 *R. laqueatum* Conrad. Not Lamarck, 1803, p. 219

Rostellaria (Rimella) laqueata Conrad, Aldrich, 1894b, p. 244

Dientomochilus (Ectinochilus) laqueatum (Conrad), Cossmann, 1904b, p. 42

Ectinochilus laqueatus (Conrad); Stewart, 1927, p. 367; Palmer, 1937, p. 244, pl. 33, figs. 1, 2, 5-7; Glibert, 1963a, p. 34

Ectinochilus laqueatum (Conrad), Wrigley, 1938, p. 71; Harris and Palmer, 1947, p. 308, pl. 40, figs. 3, 4, 8; Brann and Kent, 1960, p. 351; Shimer and Shrock, 1944, p. 497, pl. 203, fig. 19 copy Palmer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype ? + remaining specimens, No. 15060 ANSP Moore, 1962, p. 68. Holotype *R. Cuvieri* I. Lea, No. 5829 ANSP

Ectinochilus laqueatum (Conrad) "variety"
See *Ectinochilus (Vaderos) stenzeli* Palmer

Ectinochilus (Dasyostoma) rugostomum (Johnson)
See *Dientomochilus (Dasyostoma) rugostomum* (Johnson)

Ectinochilus (Vaderos) stenzeli Palmer **Strombidae**

Ectinochilus laqueatus (Conrad) variety, Palmer, 1937, p. 245

Ectinochilus (Vaderos) stenzeli Palmer *in* Harris and Palmer, 1947, p. 308, pl. 40, figs. 5-7; Brann and Kent, 1960, p. 352

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo Clay, upper Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); *Caldwell Par.*, Wyant [Myatt] Bluff, Ouachita R.

Types.—Holotype, No. 4624; paratype, No. 4625 PRI

Ectinochilus texanum (Harris) **Strombidae**

Rimella texana Harris, 1895a, p. 78, pl. 9, fig. 1

Ectinochilus (Macilentos) texanus (Harris), Stewart, 1927, p. 367

Ectinochilus texanus (Harris), Palmer, 1937, p. 245, pl. 33, fig. 3 holotype

Ectinochilus texanum (Harris), Wrigley, 1938, p. 71

Range.—Middle Eocene. Recklaw fm. (type), lower Claiborne gr.; Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R., Devils Eye (type, Harris, 1893a ms.); *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; Collier's Ferry [Burleson Shell Bluff], Brazos R.; Brazos R. about 1 mi. below the Milam-Burleson Co. line; *Sabine Co.*, Sabine R. opposite SW. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop No. 21 (Veatch, 1902, p. 129). LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W. about 2 mi. NE. of Mt. Lebanon; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; *Winn Par.*, about 10 mi. NW. of Winnfield

Type.—Holotype, No. 35641 BEG (No. 1470 Harris, 1893 ms.)

Ectinochilus texanum cherokense Palmer **Strombidae**

Rimella texana var. *plana* Harris, 1895a, p. 78, pl. 9, fig. 2

Ectinochilus texanus planus (Harris), Palmer, 1937, p. 246, pl. 33, fig. 4 type

Ectinochilus texanum cherokense Palmer, 1944, p. 18 new name for *E. texanum planum* (Harris), 1895a. Not *Rostellaria plana* Beyrich, 1854, p. 489, pl. 14, figs. 9, 9a=*E. planum* (Beyrich), Wrigley, 1938, p. 69, pl. 4, figs. 21, 22

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Cherokee Co.*, 2 mi. E. of Alto; near McBee Schoolhouse; 2 mi. W. of Alto; *Burleson Co.*, Collier's Ferry, Brazos R. (type, Harris, 1893 ms.); "*Rusk Co.*, Sulphur Springs" (Harris); "*Houston Co.*, Robbins' well" (Harris); *Bastrop Co.*, Smithville S. bank Colorado R.

Type.—Holotype, No. 35642 BEG (No. 1475 Harris, 1893 ms.)

Ectinochilus texanus planus (Harris)
See *Ectinochilus texanum cherokense* Palmer

Eglisia aspersa Meyer
See *Tenuiscala aspersa* (Meyer)

Eglisia pulchra Meyer
See *Acrocoelum cancellatum* (H. C. Lea)

Eglisia retiscupta Meyer and Aldrich
See *Mathilda retiscupta* (Meyer and Aldrich)

Elegantiscala aldrichi de Boury
See *Epitonium (Elegantiscala) aldrichi* de Boury

Elegantiscala kingae Palmer
See *Epitonium (Elegantiscala) kingae* Palmer

Elimia sylvaerupsis (Harris) **Pleuroceridae**

Melania sylvaerupis Harris, 1899a, p. 70, pl. 9, fig. 10; Brann and Kent, 1960, p. 541

If it were not for the statement that the specimen was the size of the figure one would suggest that the type (only specimen) was the young stage of *E. trigemmata* (Conrad) with which it was associated at Woods Bluff. Compare Harris, 1899a, fig. 3b with fig. 10, pl. 9. Harris, 1899a, miswrote "Cornell" for Academy of Natural Sciences, Philadelphia (Lea Collection)

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 9689 ANSP

Elimia trigemmata (Conrad) **Pleuroceridae**

Turbonilla (Chemnitzia) trigemmata Conrad, 1860, p. 288, pl. 47, fig. 33; Aldrich, 1886, p. 52; Aldrich, 1887, p. 78
Compsopleura trinodosa Conrad, 1865a, p. 28; Conrad, 1866a, p. 15 [name changed, placed in family Scalaridae]
Scalaria ? trigemmata (Conrad), de Gregorio, 1890, p. 131, pl. 12, fig. 5 copy Conrad
Goniobasis trigemmata (Conrad), Dall, 1892, p. 277; Henderson, 1935, p. 230
Rissoia ? [*sic*] *trigemmata* (Conrad), Cossmann, 1893, p. 27
Melania trigemmata (Conrad), Harris, 1899a, p. 71, pl. 9, figs. 3, a, b; Brann and Kent, 1960, p. 541
Elimia trigemmata (Conrad), Palmer 1937, p. 186, pl. 83, fig. 6 type

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—"Alabama" (Conrad type). ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Possible holotype, No. 30713 ANSP Moore, 1962, p. 104

Emarginula (Arginula) arata Conrad **Fissurellidae**

Emarginula arata Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70); Conrad *in* Morton, 1834, p. 6; Conrad, 1835a, p. 39, pl. 15, fig. 8 (Harris reprint, 1893, p. 95, pl. 15, fig. 8); H. C. Lea, 1849, p. 99; d'Orbigny, 1850, p. 372; Tuomey, 1858, p. 265; Conrad, 1865a, p. 34; Conrad, 1866a, p. 10; de Gregorio, 1890, p. 147, pl. 14, fig. 17 copy Conrad; Pilsbry and Johnson, 1892, p. 107; Dall, 1892, p. 429; Cossmann, 1893, p. 21; Harris, 1895b, p. 6; Palmer, 1937, p. 32, pl. 3, figs. 11, 14-16 section *Arginula* new (not *Emarginata* as on pl., typ. error); Brann and Kent, 1960, pp. 357, 358

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Lectotype, No. 30544 ANSP, Moore, 1962, p. 39

Emarginula sp. "a" **Fissurellidae**

Emarginula sp. a, Kellum, 1926, p. 26, pl. 4, fig. 5

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353241 USNM

Emarginula sp. "b" **Fissurellidae**

Emarginula sp. b, Kellum, 1926, p. 26, pl. 4, fig. 6

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *Pender Co.*, old Rocky Point
Type.—Figured specimen, No. 138074 USNM

Endopachychilus casteri (Palmer)
See *Cantharus (Endopachychilus) casteri* Palmer

Endopachychilus elegantissimum (Aldrich)
See *Cantharus (Endopachychilus) elegantissimus* (Aldrich)

Endopachychilus marylandicus (Clark and Martin)
See *Cantharus (Endopachychilus) marylandicus* (Clark and Martin)

Eocithara jacksonensis (Harris)
See *Harpa (Eocithara) jacksonensis* Harris

Eoclathurella jacksonica Casey **Turridae**

Eoclathurella jacksonica Casey, 1904, p. 167; Harris, 1937, pp. 75, 76, pl. 13, fig. 13 holotype; Harris and Palmer, 1947, p. 441, pl. 61, fig. 15 holotype. Type species *Eoclathurella*

This species was designated by Harris, 1937 (p. 75) type species of *Eoclathurella* Casey, 1904. After obtaining pictures of holotype of Casey's species, Harris in 1946, changed the type designation. See *E. obesula. Eoclathurella jacksoniana* [*sic*] Casey, Wenz, 1943, p. 1465 type designation of *Eoclathurella* Casey. Because the specific name is incorrectly spelled the designation is not valid. The specific name is a *nomen nudum.*

Range.—Upper Eocene. Jackson gr.
Locality.—LA.: "Red River Kimbrel bed" (type, Casey) =*Grant Par.* estate of T. W. Kimbrel, 1½ mi. S. of Montgomery
Type.—Holotype, No. 644751 USNM

Eoclathurella meridionalis (Meyer) **Turridae**

Mangelia meridionalis Meyer, 1886b, p. 76, pl. 1, fig. 14 (in part Claiborne only); Cossmann, 1893, p. 47 as *Mangilia;* Cossmann, 1896b, p. 119, text fig. 27 as *Mangilia*
Pleurotoma (Mangelia) meridionalis Meyer, de Gregorio, 1890, p. 43, pl. 3, fig. 4 copy Meyer
Daphnella (Raphitoma) meridionalis (Meyer), Cossmann, 1896b, p. 133
Eoclathurella meridionalis (Meyer), Casey, 1904, p. 167; Harris, 1937, p. 75, pl. 13, fig. 12 copy of type variant of *R. venusta* (I. Lea)

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr. Not Oligocene
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Not MISS.: *Wayne Co.*, Red Bluff [Hiwanee Station], Chickasawhay R., probably a different species.
Type.—Holotype, No. 638834 USNM

Eoclathurella obesula Casey **Turridae**

Eoclathurella obesula Casey, 1904, p. 167; Harris, 1937, p. 75, pl. 13, fig. 11 holotype
Clathurella (Eoclathurella) obesula Casey, Harris and Palmer, 1947, p. 441, pl. 61, fig. 13 holotype, fig. 14; Brann and Kent, 1960, p. 226

Harris in 1947 (p. 441) designated *E. obesula* Casey as type species of *Eoclathurella* Casey, 1904. But this designation is not valid because Harris in 1937 designated *E. jacksonica* Casey as type species. His original type designation must stand regardless of whether the species is not as well understood as that of the second designation.

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery, Red R. (type). MISS.: *Hinds Co.*, Jackson
Type.—Holotype, No. 494370 USNM

Eocypraea (Eocypraea) bayerquei eosmithi (Aldrich)
See *Eocypraea eosmithi* (Aldrich)

Eocypraea conradi Schilder
See *Sulcocypraea conradi* (Schilder)

Eocypraea eosmithi (Aldrich) **Amphiperatidae**

Cypraea smithii Aldrich, 1886, p. 33, pl. 5, fig. 3; de Gregorio, 1890, p. 59, pl. 9, figs. 11-13, figs. 14, 15 copies Aldrich; Cossmann, 1893, p. 31; Harris, 1897a, p. 477, pl. 21, fig. 4; Harris, 1899a, p. 69, pl. 8, fig. 20; not Clark and Martin, 1901, p. 144, pl. 24, fig. 8 see *Cypraea* sp. Not *C. smithii* G. B. Sowerby III, 1881, p. 638
Cypraea eosmithi Aldrich, 1923, p. 199; Ingram, 1942, p. 13
Eocypraea (Eocypraea) eosmithi (Aldrich), Schilder, 1927, p. 74 not Claiborne
Eocypraea (Eocypraea) bayerquei eosmithi (Aldrich), Schilder, 1932, p. 214

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Holotype, No. 638782 USNM

Eocypraea (Sphaerocypraea) jacksonensis (Johnson)
See *Cypraea jacksonensis* Johnson

Eocypraea (Eocypraea) sabulovirides sabulovirides (Whitfield)
See *Cypraea sabulovirides* Whitfield

Eocypraea (Eocypraea) sabulovirides estellensis (Aldrich)
See *Cypraea estellensis* Aldrich

Eocypraea vaughani (Johnson)
See *Sulcocypraea vaughani* (Johnson)

Eodrillia depygis (Conrad) **Turridae**

Pleurotoma depygis Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4 (=*P. Londalii* [*sic*] I. Lea); Conrad, 1835a, p. 52, pl. 17, fig. 20; (Harris reprint, 1893, p. 108, pl. 17, fig. 20); H. C. Lea, 1849, p. 104 [*depyge*]; d'Orbigny, 1850, p. 359 in part; Cossmann, 1893, p. 45; Harris, 1895b, p. 16

Surcula depygis (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18

Pleurotoma (Surcula) depygis Conrad, de Gregorio, 1890, p. 29, pl. 2, figs. 10-12, fig. 13 copy Conrad

Eopleurotoma depygis (Conrad), Cossmann, 1893, p. 45; Cossmann, 1896b, p. 81 under *Pleurotoma;* Harris, 1937, p. 37, pl. 6, figs. 18, 19; pl. 7, figs. 1, 2; Brann and Kent, 1960, p. 365

Eodrillia depygis (Conrad), Casey, 1904, p. 160 in part; Cossmann, 1906b, p. 223, pl. 14, fig. 16

Depygis was the first species mentioned by Casey amongst several for his *Eodrillia*, 1904, p. 155. Cossmann, 1906b, p. 223 designated *Pleurotoma depygis* Conrad as type species of *Eodrillia.* Until *Pleurotoma depygis* is analyzed and a definite specimen is segregated from the original specimens so labelled, the exact status of the genus *Eodrillia* is ambiguous. Harris, 1937, overlooked Cossmann's designation of the type species for *Eodrillia.* Consequently specimens designated as *Eodrillia depygis* under *Eopleurotoma* remain to be properly classified. The designation of *Pleurotoma depygis* was a poor selection and has hampered the generic classification of the Eocene turrids.

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—One specimen No. 13350 ANSP, Moore, 1962, p. 54. Original type lot contained 20 specimens see Harris, 1937, p. 37

Eodrillia depygis fita (de Gregorio)
See *Surculoma ? (Volutapex ?) fita* (de Gregorio)

Eodrillia depygis lonsdalii (I. Lea)
See *Eodrillia lonsdalii* (I. Lea)

Eodrillia depygis surculopsis (de Gregorio)
See *Drillia surculopsis* de Gregorio

Eodrillia laevis (Conrad)
See *Drillia laevis* Conrad *nomen nudum*

Eodrillia lonsdalii (I. Lea) **Turridae**

Pleurotoma Lonsdalii I. Lea, 1833, p. 132, pl. 4, fig. 124; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 26

Pleurotoma callifera Conrad, 1835a, p. 52 (Harris reprint, 1893, p. 108); de Gregorio, 1890, p. 44; Harris, 1895b, p. 9

Drillia lonsdalii (I. Lea), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18; Cossmann, 1893, p. 45 as *Lonsdalei*

Drillia laevis Conrad, 1865a, p. 19 *nomen nudum*, labeled specimen in ANSP; Harris, 1895b, p. 23

Pleurotoma (Drillia) lonsdalii I. Lea, de Gregorio, 1890, p. 35, pl. 2, figs. 33, 34, fig. 62 copy I. Lea

Pleurotoma (Drillia) Pinaculina de Gregorio, 1890, p. 36, pl. 2, figs. 36-38; Harris, 1937, p. 88, pl. 14, figs. 24, 24a holotype 2 views

Pleurotoma (Pleurofusia) tiprapa de Gregorio, 1890, p. 34, pl. 2, fig. 28; Cossmann, 1893, p. 45; Harris, 1937, p. 86 in synonymy *E. lonsdalei*
Eodrillia depygis lonsdali (I. Lea), Casey, 1904, p. 160
Eodrillia lonsdalei (I. Lea), Harris, 1937, p. 86, pl. 14, figs. 10-14; Brann and Kent, 1960, p. 362
Crassispira lonsdalei (I. Lea), Glibert, 1960b, p. 56

Range.—Middle Eocene. Gosport sd., (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes ?, Nos. 5691, 5692 ANSP [doubtful Harris, 1937, pp. 86, 87]. Type *Pleurotoma callifera* Conrad, missing ANSP, Moore, 1962, p. 44

Eodrillia solitariuscula (de Gregorio)
See *Drillia solitariuscula* de Gregorio

Eodrillia texana (Conrad) **Turridae**
Not *Turris texana* Gabb, 1860d, p. 379, pl. 67, fig. 9 = *Trypanotopsis texana* (Gabb)
Not *Surcula texana* (Gabb), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18; Heilprin, 1891a, p. 394 = *Trypanotopsis texana* (Gabb)
Drillia texana Conrad, 1865a, p. 19; Conrad, 1865c, p. 143; Conrad, 1866a, p. 18
Pleurotoma (Drillia) texacona Harris, 1895a, p. 61, pl. 5, fig. 7 locality, horizon and place of deposit not differentiated; new name for *Drillia texana* Conrad not *Turris texana* Gabb. New name not necessary
Eodrillia texana (Conrad), Casey, 1904, p. 160; Harris, 1937, p. 87, pl. 14, figs. 15-17; Brann and Kent, 1960, p. 362
Crassispira texana (Conrad), Glibert, 1960b, p. 58

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Robertson Co.*, Wheelock (type); Cedar Creek; *Houston Co.*, Jones' farm Hurricane Bayou; *Lee Co.*, Elm Creek, Orrell's [*sic*] (Orells) Crossing; *Brazos Co.*, Little Brazos R. near iron bridge on Moseley's Ferry road. LA.: *Sabine Par.*, Columbus
Types.—Possible syntypes (3), No. 13239 ANSP, Moore, 1962, p. 102. Type of *Pleurotoma (Drillia) texacona* Harris not at BEG 1964

Eodrillia texana educata Harris **Turridae**
Eodrillia texana educata Harris, 1937, p. 87, pl. 14, figs. 18-20; Brann and Kent, 1960, p. 362

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Sabine R. near Columbus (type) (exact outcrop not designated see Veatch Survey, 1902, pp. 129 130)
Types.—Holotype, No. 2610c, paratypes, Nos. 2610a, 2610b PRI

Eodrillia texanopsis (Harris) **Turridae**
Pleurotoma (Drillia) texanopsis Harris, 1895a, p. 61, pl. 5, fig. 8; Casey, 1904, p. 158
Eodrillia texanopsis (Harris), Harris, 1937, p. 88, pl. 14, figs. 21, 22; Brann and Kent, 1960, p. 363

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); Bombshell Bluff, Colorado River [Harris original ms. gave Sta. 32, "Colorado River about 1½ miles by land WNW. of Devils Eye." Sta. 11, "Bombshell Bluff". Penrose and Dumble.] Original ms. also stated "Type specimen—Museum 846, Sta. 47" ("Smithville, Bastrop Co., C. H. Huppertz").
Type.—Holotype, No. 35585 BEG

Eopleurotoma adolescens Harris **Turridae**

Eopleurotoma adolescens Harris, 1937, p. 28, pl. 4, figs. 15-18; Brann and Kent, 1960, p. 363
Pleurotoma adolescens (Harris), Brann and Kent, 1960, p. 715

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Newton (type); Hickory
Types.—Holotype, No. 2428; paratypes, Nos. 2426, 2427, 2429 PRI

Eopleurotoma ? albirupsis Harris **Turridae**

Eopleurotoma ? albirupsis Harris *in* Harris and Palmer, 1947, p. 428, pl. 59, fig. 5; Wilbert, 1953, p. 99 as "*Hopleurotoma*" error for *Eopleurotoma;* Brann and Kent, 1960, p. 363

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.
Locality.—ARK.: *Jefferson Co.*, White Bluff, Arkansas R. (type)
Type.—Holotype, No. 4989 PRI

Eopleurotoma ? altispira (Whitfield) **Turridae**

Pleurotoma (Surcula ?) altispira Whitfield, 1892, p. 216, pl. 33, figs. 10-13; Whitfield, 1899, p. 173

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Holotype No. 9755/1 AMNH; paratype Rutgers Whitfield 1899, not found 1965.

Eopleurotoma bimoniata (Aldrich) **Turridae**

Turris bimoniatus Aldrich, 1921, p. 7, pl. 1, fig. 6
Turris sp. cf. *T. bimoniatus* Aldrich, Le Blanc, 1942⁺, p. 145, pl. 18, figs. 8, 9

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr. (Le Blanc)
Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type). TEXAS: *Sabine Co.*, Sabinetown Bluff, Sabine R. (Le Blanc)
Type.—Holotype, No. 10 GSATC

Eopleurotoma cainei (Harris) **Turridae**

Pleurotoma cainei Harris, 1899a, p. 22, pl. 2, fig. 16; Casey, 1904, p. 158; Brann and Kent, 1960, p. 716
Eopleurotoma cainei (Harris), Harris, 1937, p. 27, pl. 4, fig. 7 holotype

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); 3 mi. SW. of Thomasville
Type.—Holotype, No. 245 (2418) PRI

Eopleurotoma cainei (Harris) "var." **Turridae**

Eopleurotoma cainei (Harris) var., Harris, 1937, p. 27, pl. 4, fig. 8; Brann and Kent, 1960, p. 363 No. 2419 [add "var."]

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Figured specimen, No. 2419 PRI

Eopleurotoma cainei (Harris) "var." **Turridae**

Eopleurotoma cainei (Harris) var., Harris, 1937, p. 27, pl. 4, fig. 9; Brann and Kent, 1960, p. 363, No. 2420 [add "var."]

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton
Type.—Figured specimen, No. 2420 PRI

Eopleurotoma carya Harris **Turridae**

Eopleurotoma carya Harris, 1937, p. 33, pl. 5, figs. 10, 11 [not *Eupleurotoma* as in expl. of pl.]; Brann and Kent, 1960, p. 363

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton (type)
Types.—Syntypes, Nos. 2442 (1), 2443 (1) PRI

Eopluerotoma carya Harris "var." **Turridae**

Eopleurotoma carya Harris var., Harris, 1937, p. 34, pl. 5, fig. 18; Harris and Palmer, 1947, p. 427, pl. 59, figs. 1, 2; Brann and Kent, 1960, p. 364

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R.
Types.—Figured specimens, Nos. 2440 (2), 4987 PRI

Eopleurotoma carya carola Harris **Turridae**

Eopleurotoma carya carola Harris, 1937, p. 34, pl. 5, fig. 17; Harris and Palmer, 1947, p. 428, pl. 59, figs. 3 ?, 4 ?; Brann and Kent, 1960, p. 364 as *E. carya ? carola* Harris

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Localities.—S.C.: *Orangeburg Co.*, 5 mi. NW. of Orangeburg (type). ? LA.: *Grant Par.*, Montgomery Ldg., Red R.; ? exact locality unknown
Types.—Holotype, No. 2439 (2) PRI

Eopleurotoma carya fisheriana Harris **Turridae**

Eopleurotoma carya fisheriana Harris, 1937, p. 33, pl. 5, figs. 5, 12, 13; Brann and Kent, 1960, p. 364

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Sabine Par.*, Sabine R. near Columbus (type). MISS.: *Newton Co.*, Hickory
Types.—Holotype, No. 2445 (1) b; paratypes, Nos. 2444 (1), 2445 (1) a PRI

Eopleurotoma carya hicoria Harris **Turridae**

Eopleurotoma carya hicoria Harris, 1937, p. 34, pl. 5, figs. 14-16; Brann and Kent, 1960, p. 364

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Hickory (type); Newton

Types.—Holotype, No. 2437 (2) a; paratypes Nos. 2437 (2) b, 2438 (2) PRI

Eopleurotoma cochlea Harris **Turridae**

Eopleurotoma cochlea Harris, 1937, p. 33, pl. 5, fig. 6; Brann and Kent, 1960, p. 365

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 2439 (1) PRI

Eopleurotoma depygis (Conrad)
See *Eodrillia depygis* (Conrad)

Eopleurotoma desnoyersii (I. Lea) **Turridae**

Pleurotoma Desnoyersii I. Lea, 1833, p. 135, pl. 4, fig. 128; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 16; Cossmann, 1893, p. 44

Surcula Desnoyersii (I. Lea), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18; ? Heilprin, 1891a, p. 394

? *Surcula lintea* Conrad, 1865a, p. 18 [not Proc. ANS as listed]; Conrad, 1865c, p. 142; Conrad, 1866a, p. 18; de Gregorio, 1890, p. 33 *Pleurotoma;* ? Heilprin, 1891a, p. 394

Pleurotoma (Coronia) desnoyersi I. Lea, de Gregorio, 1890, p. 25, pl. 1, fig. 77 copy Lea, figs. 78, 79

Pleurotoma (Hemipleurotoma)Desnoyersi (I. Lea), Cossmann, 1896b, p. 79

Eopleurotoma desnoyersi (I. Lea), Casey, 1904, p. 158; Harris, 1937, p. 29, pl. 4, figs. 19-22; Brann and Kent, 1960, p. 365; Glibert, 1960b, p. 13

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, No. 5700 ANSP. Type *Surcula lintea* Conrad, missing, Moore, 1962, p. 72

Eopleurotoma gemmata (Conrad)
See *Eopleurotoma sayi* (I. Lea)

Eopleurotoma gemmavia Harris **Turridae**

Eopleurotoma gemmavia Harris, 1937, p. 36, pl. 6, figs. 12, 13, 14 ?; Brann and Kent, 1960, pp. 365, 366

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Hickory (type); ? Newton

Types.—Holotype, No. 2452; paratypes, Nos. 2453, ? 2454 PRI

Cf. **Eopleurotoma harrisi** (Clark) **Turridae**

Pleurotoma harrisi Clark, 1895, p. 4; Clark, 1896, p. 64, pl. 9, figs. 4a, 4b; Clark and Martin, 1901, p. 125, pl. 20, figs. 5, 5a copy holotype, fig. 6

Range.—Paleocene. Aquia fm. (type)
Localities.—VA.: *King George Co.*, Potomac Creek (type); 2 mi. below Potomac Creek. MD.: *Charles Co.*, 1 mi. SE. of Mason Springs
Type.—Holotype, USNM

Eopleurotoma hoeninghausii (I. Lea) **Turridae**

Pleurotoma Hoeninghausii I. Lea, 1833, p. 135, pl. 4, fig. 129; H. C. Lea, 1849, p. 104 as *Haeninghausii;* Harris, 1895b, p. 22 as *haeninghausii*
Pleurotoma (Clavatula) Haeninghausii [*sic*] I. Lea, de Gregorio, 1890, p. 29 in part, pl. 2, fig. 7 copy Lea, fig. 8
Eopleurotoma hoeninghausii (I. Lea), Cossmann, 1893, p. 45 in part; Cossmann, 1896b, p. 81 under *Pleurotoma;* Harris, 1937, p. 37, pl. 7, figs. 3-5; Brann and Kent, 1960, p. 366; Glibert, 1960b, p. 14

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes, No. 5708 ANSP. Lost prior to 1895 *fide* Harris, 1895b, p. 22

Eopleurotoma julia (Cooke) **Turridae**

Pleurotoma julia Cooke, 1926b, p. 134, fig. 3
Eopleurotoma julia (Cooke), Harris and Palmer, 1947, p. 427, pl. 58, fig. 16 copy type

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 353939 USNM

Eopleurotoma lirata (Harris)
See "*Surcula*" *lirata* Harris

Eopleurotoma lisboncola Harris **Turridae**

Eopleurotoma lisboncola Harris, 1937, p. 35, pl. 6, figs. 8, 9; figs. 10, 11 "var."; Brann and Kent, 1960, p. 366; Glibert, 1960b, p. 15

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type); base of Claiborne Bluff, Alabama R.
Types.—Holotype, No. 2448; paratypes, No. 2449-2451 PRI

Eopleurotoma monilifera (I. Lea)
See *Eopleurotoma sayi* (I. Lea)

Eopleurotoma nodocarinata (Gabb)
See *Hesperiturris nodocarinatus* (Gabb)

Eopleurotoma nodocarinata (Gabb) "var."
See *Hesperiturris nodocarinatus* (Gabb) "var."

Eopleurotoma nodocarinata enstricrina (Harris)
See *Hesperiturris nodocarinatus enstricrinus* (Harris)

Eopleurotoma nupera (Conrad) **Turridae**

Pleurotoma nupera Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4 = *P. Desnoyersi* I. Lea; *P. Haeninghausii* I. Lea; *P. rugosa* I. Lea; Conrad, 1835a, p. 51, pl. 17, fig. 16 (Harris reprint, 1893, p. 107, pl. 17, fig. 16); H. C. Lea, 1849, p. 104; d'Orbigny, 1850, p. 360; Cossmann, 1893, p. 45; Harris, 1895b, p. 30 in part
Surcula nupera (Conrad), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Pleurotoma (Strombina) nupera Conrad, de Gregorio, 1890, p. 26, pl. 1, fig. 82 copy Conrad, ? fig. 83
Cf. *Pleurotoma (Strombina) protrapa* de Gregorio, 1890, p. 26, pl. 1, fig. 81 see Casey, 1904, p. 158
Pleurotoma (Eopleurotoma) nupera (Conrad), Cossmann, 1896b, p. 81
Surcula (Apiotoma) nupera (Conrad), Cossmann, 1896b, p. 74
Eopleurotoma nupera (Conrad), Casey, 1904, p. 158; Harris, 1937, p. 29, pl. 4, figs. 23-25; fig. 26 lectotype; Brann and Kent, 1960, pp. 367, 368; Glibert, 1960b, p. 15

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). MISS.: *Newton Co.*, Newton
Type.—Lectotype, designated by Harris, 1937, No. 13356 ANSP, Moore, 1962, p. 80

Eopleurotoma nupera nuppygis Harris **Turridae**

Eopleurotoma nupera nuppygis Harris, 1937, p. 30, pl. 4, figs. 27, 28; Brann and Kent, 1960, p. 368

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, No. 2434a; paratype, No. 2434b PRI

Eopleurotoma orangeburgensis Harris **Turridae**

Eopleurotoma orangeburgensis Harris, 1937, p. 38, pl. 7, figs. 10-14; Brann and Kent, 1960, p. 368
Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, 3 mi. NW. Orangeburg (type)
Types.—Holotype, No. 2471; paratypes, Nos. 2472-2475 PRI

Eopleurotoma ouachitensis Harris **Turridae**

Eopleurotoma ouachitensis Harris, 1937, p. 27, pl. 4, figs. 11, 11a; Harris and Palmer, 1947, p. 426, pl. 58, figs. 14, 15; Brann and Kent, 1960, p. 368

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 2422a; paratype, No. 2422b PRI

Eopleurotoma plumbella Harris **Turridae**

Eopleurotoma plumbella Harris, 1937, p. 28, pl. 4, figs. 12, 13, 13a; Brann and Kent, 1960, p. 369 [No. 2424a = fig. 13a, not fig 13]

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.
Localities.—LA.: *Sabine Par.*, Sabine R. near Columbus (type). S.C.: *Orangeburg Co.*, Orangeburg
Types.—Holotype, No. 2424; paratypes, Nos. 2423, 2424a, PRI

Eopleurotoma politica Harris **Turridae**

Eopleurotoma politica Harris, 1937, p. 28, pl 4, fig. 14; Brann and Kent, 1960, p. 369

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)
Type.—Holotype, No. 2425 PRI

Cf. **Eopleurotoma potomacensis** (Clark and Martin) **Turridae**

Pleurotoma potomacensis Clark and Martin, 1901, p. 126, pl. 20, figs. 7, 7a

Range.—Paleocene. Aquia fm. (type)
Localities.—VA.: *King George Co.*, 2 mi below Potomac Creek (type). MD.: *Prince Georges Co.*, 1 mi. NE. of Piscataway
Type.—Holotype, USNM

Eopleurotoma properugosa (de Gregorio)
See *Eopleurotoma sayi* (I. Lea)

Eopleurotoma ? regularicostata (Whitfield) **Turridae**

Pleurotoma regularicostata Whitfield, 1892, p. 215, pl. 33, figs. 7-9; Whitfield, 1899, p. 173

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, No. 9753/1 AMNH

Eopleurotoma rugatina Harris **Turridae**

Surcula rugatina Conrad, 1865a, p. 19; Conrad, 1866a, p. 18. Labelled specimen ANSP = *nomen nudum*
Pleurotoma (Surcula) rugatina Conrad, de Gregorio, 1890, p. 32
Pleurotoma rugatina (Conrad), Harris, 1895b, p. 39 = *nomen nudum*
Eopleurotoma rugatina Harris, 1937, p. 36, pl. 6, figs. 15-17; Brann and Kent, 1960, p. 369; Glibert, 1960b, p. 16

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, missing ANSP, Moore, 1962, p. 93; paratypes, No. 2455 a-c PRI

Eopleurotoma rugosa (I. Lea) **Turridae**

Pleurotoma rugosa I. Lea, 1833, p. 136, pl. 4, fig. 130; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 39; Cossmann, 1893, p. 45 under *hoeninghousii*

Surcula rugosa (I. Lea), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Pleurotoma (Clavatula) rugosa I. Lea, de Gregorio, 1890, p. 28, pl. 2, fig. 5; fig. 6 copy Lea
Eopleurotoma rugosa (I. Lea), Casey, 1904, p. 158 under *nupera;* Harris, 1937, p. 38, pl. 7, figs. 6, 7; Brann and Kent, 1960, p. 370

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5709 ANSP

Eopleurotoma sabinaria Harris **Turridae**

Eopleurotoma sabinaria Harris, 1937, p. 27, pl. 4, figs. 10, 10a, 10b; Brann and Kent, 1960, p. 370

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—ALA.: *Sabine Par.*, Sabine R. near Columbus (type) (exact outcrop not designated see Veatch survey, 1902, pp. 129, 130)
Types.—Holotype, No. 2421b; paratypes, No. 2421a, No. 2421c, PRI

Eopleurotoma sayi (I. Lea) **Turridae**

Pleurotoma Sayi I. Lea, 1833, p. 133, pl. 4, fig. 125; H. C. Lea, 1849, p. 105; Cossmann, 1893, p. 45; Harris, 1895b, p. 40 in part
Pleurotoma monilifera I. Lea, 1833, p. 133, pl. 4, fig. 126; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 28
Pleurotoma obliqua I. Lea, 1833, p. 136, pl. 4, fig. 131; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 31
Pleurotoma gemmata Conrad, 1835a, p. 52, pl. 17, fig. 22 (Harris reprint, 1893, p. 108, pl. 17, fig. 22); Harris, 1895b, p. 20; Casey, 1904, p. 158 *Eopleurotoma*
Surcula gemmata (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18
Surcula monilifera (I. Lea), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18
Surcula obliqua (I. Lea), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Surcula sayi (I. Lea), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Pleurotoma (Surcula) Desnoyersopsis de Gregorio, 1890, p. 31, pl. 2, fig. 21 [in *(Clavatula)* on pl.]
Pleurotoma (Strombima [*sic*]) *gemmata* Conrad, de Gregorio, 1890, p. 26, pl. 1, fig. 84 copy Conrad (error for *Strombina)*
Pleurotoma (Clavatula) monilifera I. Lea, de Gregorio, 1890, p. 28, pl. 2, fig. 2, fig. 3 copy I. Lea, fig. 4 copy *P. sayi* I. Lea
Pleurotoma (Surcula) obliqua I. Lea, de Gregorio, 1890, p. 32, pl. 2, fig. 22 copy Lea [in *(Clavatula)* on pl.]
Pleurotoma (Clavatula) properugosa de Gregorio, 1890, p. 29, pl. 2, fig. 9
Pleurotoma (Clavatula) sayi I. Lea, de Gregorio, 1890, p. 28, "pl. 2, fig. 64 copy Lea" omitted
Pleurotoma Desnoyersopsis de Gregorio, Cossmann, 1893, p. 45
Pleurotoma properugosa de Gregorio, Cossmann, 1893, p. 45
Apiotoma gemmata (Conrad), Cossmann, 1893, p. 44
Surcula (Apiotoma) gemmata Conrad, Cossmann, 1896b, pp. 74, 81
Pleurotoma (Eopleurotoma) Sayi I. Lea, Cossmann, 1896b, p. 81
Eopleurotoma Sayi I. Lea, Casey, 1904, p. 158; Harris, 1937, p. 30, pl. 5, fig. 1 lectotype, figs. 2-4; [not fig. 5 as in text]; Brann and Kent, 1960, p. 370; Glibert, 1960b, p. 17

Eopleurotoma gemmata (Conrad), Casey, 1904, p. 158
Eopleurotoma monilifera (I. Lea), Casey, 1904, p. 158
Eopleurotoma properugosa (de Gregorio), Casey, 1904, p. 158
"Pleurotoma (Surcula) Desnoyersopsis" de Gregorio, Harris, 1937, p. 33, pl. 5, fig. 24 lectotype
"Pleurotoma gemmata" Conrad, Harris, 1937, p. 32, pl. 4, figs. 29 Conrad, holotype, 30, 31, ?, 32
"Pleurotoma monilifera" I. Lea, Harris, 1937, pp. 30, 31, pl. 5, figs. 7 lectotype, 8, 9
"Pleurotoma obliqua" I. Lea, Harris, 1937, pp. 30, 31, pl. 5, fig. 1a holotype
"Pleurotoma (Clavatula) properugosa" de Gregorio, Harris, 1937, p. 32, pl. 5, fig. 23 lectotype
Eopleurotoma "gemmata" (Conrad), Brann and Kent, 1960, p. 365
Eopleurotoma "monilifera" (I. Lea), Brann and Kent, 1960, p. 366

Range.—Middle Eocene. Gosport sd., (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype, *P. Sayi* I. Lea, No. 5713 ANSP = holotype of *P. obliqua* I. Lea. Holotype *P. monilifera* I. Lea No. 5696 ANSP. Holotype *P. gemmata* Conrad, No. 13364 ANSP, Moore, 1962, p. 63

Eopleurotoma thyroidifera Harris **Turridae**

Eopleurotoma thyroidifera Harris, 1937, p. 35, pl. 6, fig. 7; Brann and Kent, 1960, p. 370

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2447 PRI

Eopleurotoma tupis (de Gregorio)
See *"Pleurotoma (Clavatula) tupis"* de Gregorio

Cf.**Eopleurotoma veatchi** (Harris) **Turridae**

Pleurotoma veatchi Harris, 1899a, p. 25, pl. 3, fig. 4; Brann and Kent, 1960, p. 718

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 315 PRI

Eopsephaea florencis (Harris)
See cf. *Volutilithes florencis* (Harris)

Eosinica elevata (Aldrich) **Umbraculidae**

Umbraculum (Eosinica) elevatum Aldrich, 1903a, p. 19, text fig. 1
Eosinica elevata (Aldrich), Cossmann, 1903b, p. 187, text fig. 12 copy Aldrich; Zilch, 1959, p. 60, fig. 195 copy Aldrich [genus with ?]

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 22 GSATC

Eosurcula beaumontii (I. Lea) **Turridae**

Pleurotoma Baumontii [*sic*] I. Lea, 1833, p. 134, pl. 4, fig. 127; Conrad, App. *in* Morton, 1834, p. 4 *Beumontii* [*sic*]; H. C. Lea, 1849, p. 104 *Beaumontii;* d'Orbigny, 1850, p. 359; Cossmann, 1893, p. 45 *Beaumontii;* Harris, 1895b, p. 6

Surcula Baumontii [*sic*] (I. Lea), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18 as *Beaumontii*

Pleurotoma (Surcula) Beaumonti (I. Lea), de Gregorio, 1890, p. 30, pl. 2, fig. 14, fig. 15 copy I. Lea

Pleurotoma (Hemipleurotoma) Beaumonti (I. Lea), Cossmann, 1896b, p. 79

? *Lyrosurcula baumonti* [*sic*] (I. Lea), Casey, 1904, p. 157

Eosurcula beaumonti (I. Lea), Harris, 1937, p. 39, pl. 7, fig. 15; Brann and Kent, 1960, p. 371

Turricula (Eosurcula) beaumonti (I. Lea), Glibert, 1960b, p. 27

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. type)
Type.—Holotype, No. 5699 ANSP

Eosurcula concinna Casey
See *Eosurcula moorei concinna* Casey

Cf. **Eosurcula ducateli** (Clark and Martin) **Turridae**

Pleurotoma ducateli Clark and Martin, 1901, p. 126, pl. 20, fig. 8

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Charles Co.*, 1 mi. SE. of Mason Springs (type)
Type.—Holotype, USNM

Eosurcula helicoidea Casey
See *Eosurcula moorei helicoidea* Casey

Eosurcula lesueurii (I. Lea) **Turridae**

Pleurotoma Lesueurii I. Lea, 1833, p. 137, pl. 4, fig. 133; Conrad, App. *in* Morton, 1834, p. 4 = *alternata;* H. C. Lea, 1849, p. 104; Harris, 1895b, p. 24; Cossmann, 1893, p. 44; Casey, 1904, pp. 137, 158

Pleurotoma (Genota) Lesseuri [*sic*] I. Lea, de Gregorio, 1890, p. 41, pl. 2, figs. 54, 55; fig. 56 copy I. Lea

Eosurcula lesueuri (I. Lea), Harris, 1937, p. 39, pl. 7, figs. 16, 17, 19, 20, fig. 18 = var. *beta;* Brann and Kent, 1960, p. 371

Turricula (Eosurcula) lesueuri (I. Lea), Glibert, 1960b, p. 27

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5717 ANSP

Eosurcula lesueurii beta Harris **Turridae**

Eosurcula lesueuri beta Harris, 1937, pp. 39, 40, pl. 7, fig. 18; Brann and Kent, 1960, p. 371

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2479 PRI

Eosurcula moorei (Gabb) **Turridae**

Turris Moorei Gabb, 1860d, p. 378, pl. 67, fig. 11 (not 9 as in text and pl.); Heilprin, 1891a, p. 394

Surcula moorei (Gabb), ? Heilprin, 1891a, p. 394; Stenzel *in* Renick and Stenzel, 1931, p. 100. Not *Pleurotoma moorei* Gabb as in Harris, 1895a, 1899a, 1937, = *Eosurcula tuomeyi*

Pleurotoma (Surcula) moorei (Gabb), Harris, 1895a, p. 57 in part, pl. 4, figs. 6, 6a, 6b

Pleurotoma moorei (Gabb), Harris, 1899a, p. 16, in part, not pl. 2, fig. 5 = *E. tuomeyi;* Dumble, 1915b, p. 453; Dumble, 1920, pp. 91, 95, 100; not Brann and Kent, 1960, p. 717 = *E. tuomeyi*

Eosurcula moorei (Gabb), Casey, 1904, p. 146 in part; Cossmann, 1906b, p. 221, pl. 14, fig. 21 under *Surcula;* Harris, 1937, p. 41 in part, pl. 8, fig. 7 (restricted by Gardner), figs. 11, 12, ? 17, ? 18, not figs. 8-10; Gardner, 1945, p. 235, pl. 25, fig. 2; pl. 27, ? fig. 17; type designated *Eosurcula* Casey; Brann and Kent, 1960, pp. 371, 372 in part, not Nos. 2488-2490 = *E. tuomeyi*

Turricula (Eosurcula) moorei (Gabb), Glibert, 1960b, p. 27

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.— TEXAS: *Caldwell Co.*, (Gabb) = *Burleson Co.*, Stone City Bluff, Brazos R. *fide* Stenzel, Krause, and Twining, 1957, p. 11 (type); *Bastrop Co.*, Smithville, Colorado R.; *Lee Co.*, Orell's Crossing, Elm Creek; Sunnyside Church. LA.: *Winn Par.*, St. Maurice. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.

Type.—Holotype, No. 13287 ANSP

Eosurcula moorei (Gabb), Harris, 1937. Not Gabb, 1860d, p. 378
See *Eosurcula tuomeyi* (Aldrich)

Eosurcula moorei cocinna Casey **Turridae**

Eosurcula concinna Casey, 1904, p. 146

Eosurcula moorei (Gabb), Harris, 1937, p. 41 in part, pl. 8, fig. 15 as "*concinna*" holotype

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 494361 USNM

Eosurcula moorei corpulenta Harris **Turridae**

Eosurcula moorei corpulenta Harris, 1937, p. 42, pl. 8, fig. 20; Brann and Kent, 1960, p. 372

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 2496 PRI

Eosurcula moorei gamma Harris **Turridae**

Eosurcula moorei gamma Harris, 1937, p. 41, pl. 8, fig. 13

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—TEXAS: *Lee Co.*, Orell's Crossing, Elm Cr. (type)

Type.—Missing BEG, 1964

Eosurcula moorei helicoidea Casey **Turridae**

Eosurcula helicoidea Casey, 1904, p. 147; Harris, 1937, p. 41, pl. 8, fig. 16 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Holotype, No. 494362 USNM

Eosurcula moorei moorella Harris **Turridae**

Eosurcula moorei moorella Harris, 1937, p. 42, pl. 8, fig. 19; Brann and Kent, 1960, p. 372

Range.—Middle Eocene. Middle or upper Claiborne gr. (type)
Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (exact outcrop not designated see Veatch Survey 1902, pp. 129, 130) (type)
Type.—Holotype, No. 2494c PRI

Eosurcula mooorei olssoni Harris **Turridae**

Eosurcula moorei olssoni Harris, 1937, p. 42, pl. 8, fig. 14; Brann and Kent, 1960, p. 372

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 2493 PRI

Eosurcula pulcherrima (Heilprin) **Turridae**

Conus pulcherrimus Heilprin, 1879a, p. 213, pl. 13, fig. 8; Tomlin, 1937, p. 298
Pleurotoma pulcherrima (Heilprin), Aldrich, 1897a, p. 7, pl. 5, fig. 7
Eosurcula pulcherrima (Heilprin), Casey, 1904, p. 146; Harris, 1937, p. 40, pl. 7, cf. fig. 24; fig. 25 holotype; pl. 8, figs. 1-4 [not 5 as on p. 40]; Brann and Kent, 1960, p. 372

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Newton. Cf. S.C.: *Orangeburg Co.*, Orangeburg
Type.—Holotype, No. 10175/1 AMNH (No. 5704/1 AMNH, Whitfield and Hovey, 1901)

Eosurcula quadriplenta Harris **Turridae**

Eosurcula quadriplenta Harris, 1937, p. 42, pl. 8, figs. 23-26; Brann and Kent, 1960, pp. 372, 373

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Old Columbia road, 5 mi. N. of Orangeburg (type)
Types.—Holotype, No. 2499a; paratypes, Nos. 2499 b-d PRI

Eosurcula sanctimauritii (Vaughan) **Turridae**

Pleurotoma sancti-mauritii Vaughan, 1896, p. 32, pl. 2, fig. 2; Schuchert, *et al.*, 1905, p. 523
Eosurcula sancti-mauritii (Vaughan), Harris, 1937, p. 40, pl. 7, figs. 21 holotype, 22, 23 ?; Brann and Kent, 1960, p. 373 *sanctimauritii*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Winn Par.*, St. Maurice (type); 10 mi. NW. of Winnfield
Type.—Lectotype, No. 147041 USNM

Eosurcula ? superpons Harris **Turrdiae**

Eosurcula ? superpons Harris, 1937, p. 42, pl. 8, figs. 21, 22; Brann and Kent, 1960, p. 373

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithvillle, Colorado R. (type)
Types.—Holotype, No. 2497a; paratype, No. 2497b PRI

Eosurcula ? superpons subpons Harris **Turrdiae**

Eosurcula ? superpons subpons Harris, 1937, p. 42, pl. 8, fig. 22a; Brann and Kent, 1960, p. 373

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2498 PRI

Eosurcula tardereperta Harris **Turridae**

Eosurcula tardereperta Harris, 1937, p. 41, pl. 8, fig. 5 [mislabelled 6 on pl.] holotype, fig. 6

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, ANSP; paratype, No. 137416 USNM

Eosurcula tuomeyi (Aldrich) **Turridae**

Pleurotoma tuomeyi Aldrich, 1886, p. 31, pl. 3, fig. 11; not Heilprin, 1891a, p. 394
Pleurotoma (Surcula) tuomeyi Aldrich, de Gregorio, 1890, p. 33, pl. 2, fig. 25 copy Aldrich
Surcula Tuomeyi (Aldrich), Cossmann, 1893, p. 43; Cossmann, 1896b, p. 71
Pleurotoma (Surcula) moorei Gabb, Harris, 1895a, p. 57 in part
Pleurotoma moorei Gabb, Harris, 1899a, p. 16 in part, pl. 2, fig. 5; Brann and Kent, 1960, p. 717, No. 236 = *E. tuomeyi* (Aldrich), not *E. moorei* (Gabb)
Eosurcula tuomeyi (Aldrich), Casey, 1904, p. 146; Gardner, 1945, p. 235
Eosurcula moorei Gabb, Harris, 1937, p. 41 in part, pl. 8, figs. 8-10; Brann and Kent, 1960, p. 371 in part Nos. 2488-2490 only

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638778 USNM

Eovasum vernoni Palmer **Vasidae**

Eovasum vernoni Palmer *in* Richards and Palmer, 1953, p. 33, pl. 7, figs. 4-7

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)

Types.—Holotype, No. I-7614; paratypes, Nos. I-7615, I-7616 Fla. Geol. Sur.

Epetrium major (Meyer)
See *Triphora major* (Meyer)

Epetrium simile (Meyer)
See *Triphora similis* (Meyer)

Epidromus autopsis (Conrad)
See *Eutritonium autopsis* (Conrad)

Epidromus exilis Conrad
See *Nassarius exilis* (Conrad)

Epidromus otopsis (Conrad)
See *Eutritonium autopsis* (Conrad)

Epidromus showalteri (Conrad)
See *Ranella showalteri* (Conrad)

Episcynia bastropensis (Harris) **Vitrinellidae**

Solarium bastropensis Harris, 1895a, p. 83, pl. 9, figs. 11, 11a
"Architectonica" bastropensis (Harris), Palmer, 1937, p. 174, pl. 20, figs. 5, 7 holotype

Palmer (1937, p. 175) questioned the placement of this species in *Architectonica ("Solarium")* and pointed out a likeness to *Vitrinella*. Through the keen efforts of James E. Allen, three specimens of the species were found at St. Maurice, La. Cook Mt. fm., upper Claiborne gr. The shells have the characters of *Episcynia* Mörch of Vitrinellidae.

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 35588 BEG

Epitonium aequabile Kellum **Scalariidae** (Scalidae, Epitoniidae)

Epitonium aequabile Kellum, 1926, p. 26, pl. 5, fig. 1

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington (type)

Type.—Holotype, No. 353238 USNM

Epitonium (Elegantiscala) aldrichi de Boury **Scalariidae** (Scalidae, Epitoniidae)

Scala (Elegantiscala), n. sp., de Boury, 1910, p. 216 Alabama
Scala (Elegantiscala) aldrichi de Boury, 1912, p. 318, pl. 11, fig. 16
Epitonium (Elegantiscala) aldrichi de Boury, Palmer, 1937, p. 95, pl. 10, fig. 9 copy type

Range.—Eocene (type)

Locality.—ALA. (type)

Type.—Holotype, l'École des Mines, Paris. Not found, 1965

Epitonium annulatum (Morton) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria annulata Morton, 1834, p. 47, pl. 3, fig. 10
Cavoscala annulata (Morton), Whitfield, 1892, p. 117, pl. 22, figs. 1-5; Weller, 1907, p. 676, pl. 76, figs. 5-7

Range.—Lower Eocene. Vincentown fm. (type)

Locality.—N.J.: Boundary between *Gloucester* and *Camden Cos.*, Timber Creek

Type.—Holotype, No. 15399 ANSP

Epitonium chamberlaini Johnson **Scalariidae** (Scalidae, Epitoniidae)

Epitonium chamberlaini Johnson, 1931, p. 6, pl. 1, figs. 1, 2; Cooke, 1936, p. 87

Range.—Upper Eocene. Cooper ml. (type). Oligocene, Cooke and MacNeil, 1952

Localities.—S.C.: *Charleston Co.*, about 1 ½ mi. above the Etiwan Fertilizer works on Cooper R., near Charleston; "Navy Yard . . . Sloan 444 Station No. 5531" (type localities); marl pit at Ingleside station on R.R. from Charleston to Summerville 9 mi. from Charleston, S.C.

Types.—Syntype, No. 371770 USNM (fig. 2); syntype, No. 30.112.1 Charleston Mus. Additional specimens Nos. 31.105.7, 31.105.8, R 1118 Charleston Mus., Charleston, S.C.

Epitonium charlestonense Johnson **Scalariidae** (Scalidae, Epitoniidae)

Epitonium charlestonensis Johnson, 1931, p. 8, pl. 1, fig. 4; Cooke, 1936, p. 87

Range.—Upper Eocene. Cooper ml. (type). Oligocene, Cooke and MacNeil, 1952.

Locality.—S.C.: *Charleston Co.*, about 1½ mi. above the Etiwan Fertilizer works on Cooper R., near Charleston (type)

Types.—Syntypes, No. 31.105.1, No. 31.105.2, Charleston Mus., Charleston, S.C.

Epitonium cookii Gardner **Scalariidae** (Scalidae, Epitoniidae)

Epitonium cookii Gardner, 1935, p. 276, pl. 23, figs. 8, 9

Range.—Paleocene. Littig mem. (type), Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Caldwell Co.*, 6 mi. due N. of Lockhart in draw one-half mi. W. of Austin-Lockhart highway (type) (USGS Sta. 11682)

Type.—Holotype, No. 371264 USNM

Epitonium sp. cf. *E. cookii* Gardner
See *Epitonium* sp.

Epitonium (Asperoscala) cooperense Johnson **Scalariidae** (Scalidae, Epitoniidae)

Epitonium (Asperoscala) cooperensis Johnson, 1931, p. 8, pl. 1, fig. 5

Range.—Upper Eocene. Cooper ml. (type). Oligocene, Cooke and MacNeil, 1952.

Locality.—S.C.: *Charleston Co.*, small island about 1½ mi. above the Etiwan Fertilizer works on Cooper R., near Charleston (type)

Types.—Holotype, No. 31.105.3; paratype, No. 31.105.4 Charleston Mus. Charleston, S.C.

Epitonium cribrum Cooke
See *Pliciscala cribrum* (Cooke)

Epitonium (Ferminoscala) dolosum (Aldrich)
See *Scalina dolosa* (Aldrich)

Epitonium dignitate Kellum **Scalariidae** (Scalidae, Epitoniidae)

Epitonium dignitatis Kellum, 1926, p. 26, pl. 5, fig. 2

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington (type)

Type.—Holotype, No. 353243 USNM

Epitonium exquisitum (Aldrich) **Scalariidae** (Scalidae, Epitoniidae)

Scala exquisita Aldrich, 1897a, p. 14, pl. 1, figs. 7, 7a; Harris, 1899a, p. 95, pl. 12, figs. 7, 7a copy holotype

Gyroscala exquisita (Aldrich), Cossmann, 1912b, p. 47

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)

Type.—Holotype, No. 638992 USNM

Epitonium (Crisposcala) failianum Palmer **Scalariidae** (Scalidae, Epitoniidae)

Epitonium (Crisposcala) failianum Palmer, 1944, p. 5, pl. 2, figs. 9, 10

Range.—Cf. Upper Eocene. (type)

Locality.—ALA.: *Choctaw Co.*, "one and one-half miles east of Fail, . . . in marl bed, just under prairie rock and above clays (type)

Type.—Holotype, No. 114 GSATC

Epitonium jacobi Palmer
See *Aciculiscala jacobi* (Palmer)

Epitonium (Elegantiscala) kingae Palmer **Scalariidae,** (Scalidae, Epitoniidae)

Epitonium (Elegantiscala) kingae Palmer, 1937, p. 96, pl. 8, figs. 22, 23; Brann and Kent, 1960, p. 374

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. (type)

Type.—Holotype, No. 2731 PRI

Epitonium (Gyroscala) mcglameriae Palmer **Scalariidae** (Scalidae, Epitoniidae)

Epitonium (Gyroscala) mcglameriae Palmer, 1944, p. 6, pl. 2, figs. 11-13

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Choctaw Co.*, 2 mi. S. of Gilbertown, highway 29 (type)
Types.—Syntype (fig. 11), No. 115; syntype (fig. 12), No. 116; syntype (fig. 13), No. 117 GSATC

Epitonium multiliniferum Aldrich **Scalariidae** (Scalidae, Epitoniidae)

Epitonium multiliniferum Aldrich, 1921, p. 11, pl. 1, fig. 16; LeBlanc, 1942⁺, p. 85, pl. 12, figs. 12, 13
Not *Epitonium* cf. *multiliniferum* Aldrich, Sutton, 1946, p. 1681

Range.—Lower Eocene. Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type). TEXAS: *Sabine Co.*, ¼ mi. upstream from bridge over Sabine R. on La. Highway 6, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.
Type.—Holotype, No. 28 GSATC

Epitonium munistriatum Aldrich **Scalariidae** (Scalidae, Epitoniidae)

Epitonium munistriatum Aldrich, 1921, p. 10, pl. 1, figs. 14, 15

Range.—Lower Eocene. Tuscahoma fm. (type) (fig. 15), middle Wilcox [Sabine] gr. Bashi mem., Hatchetigbee fm. (type) (fig. 14), upper Wilcox [Sabine] gr.
Localities.—ALA.: SW. *Wilcox Co.*, Jackson's Rock House Branch, sec. 11 and 15, T. 11 N., R. 4 E. (fig. 14) ex. pl.; text as Woods Bluff (syntype); *Monroe Co.*, Greggs Ldg. (fig. 15) (syntype)
Types.—Syntype (fig. 14), No. 31; syntype (fig. 15), No. 119 GSATC

Epitonium potomacense (Clark and Martin) **Scalariidae** (Scalidae, Epitoniidae)

Scala potomacensis Clark and Martin, 1901, p. 154, pl. 28, fig. 10

Range.—Paleocene. Aquia fm. (type)
Locality.—VA.: *Stafford Co.*, 2 mi. below Potomac Creek (type)
Type.—Holotype, USNM

Epitonium raveneli Johnson **Scalariidae** (Scalidae, Epitoniidae)

Epitonium raveneli Johnson, 1931, p. 7, pl. 1, fig. 3

Range.—Eocene. (Type)
Locality.—S.C.: "St. Johns B[erkeley]" (type) *Berkeley Co.*, St. John's Par.
Type.—Holotype. Edmund Ravenel collection, No. R 1130 Charleston Mus., Charleston, S.C.

Epitonium subacutum Aldrich **Scalariidae** (Scalidae, Epitoniidae)
Epitonium subacutum Aldrich, 1921, p. 11, pl. 1, figs. 17, 18

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type)

Types.—Syntypes, No. 29 GSATC

Epitonium (Sthenorhytis) subexpansum Johnson **Scalariidae** (Scalidae, Epitoniidae)
Epitonium (Sthenorhytis) subexpansum Johnson, 1931, p. 9, pl. 1, fig. 6

Range.—Upper Eocene. Cooper ml. (type). Oligocene, Cooke and McNeil, 1952

Locality.—S.C.: *Charleston Co.*, about 1½ mi. above the Etiwan Fertilizer works on Cooper R., near Charleston, (type)

Types.—Holotype, No. 31.105.5; paratype, No. 31.105.6 Charleston Mus. Charleston, S.C.

Epitonium tenuiliratum (Whitfield) **Scalariidae** (Scalidae, Epitoniidae)
Scalaria tenuilirata Whitfield, 1892, p. 229, pl. 34, figs. 10-12; Whitfield, 1899, p. 175

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Type.—Holotype, No. 9762/1 AMNH

Epitonium vetustum (Aldrich) **Scalariidae** (Scalidae Epitoniidae)
Scala vetusta Aldrich, 1907, p. 10, pl. 1, fig. 9

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Locality.—ALA.: *Wilcox Co.*, W. W. McConnico, 1½ mi. SW. Palmer's mill (type)

Type.—Holotype, missing USNM, 1963

Epitonium virginianum (Clark) **Scalariidae** (Scalidae, Epitoniidae)
Scala virginiana Clark, 1895, p. 4; Clark, 1896, p. 71, pl. 14, figs. 3a, 3b; Clark and Martin, 1901, p. 153, pl. 28, figs. 8, 8a holotype, figs. 9, 9a; Schuchert, *et al.*, 1905, p. 583

Range.—Paleocene. Aquia fm. (type)

Locality.—VA.: *Stafford Co.*, Aquia Cr. (type)

Type.—Holotype, No. 115864 USNM

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Epitonium sp. cf. *E. cookii* Gardner, Gardner, 1935, p. 277

Range.—Paleocene. Littig mem., Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Guadalupe Co.*, 1 mi. NE. of Staples (USGS Sta. 11693)

Type.—Specimen, presumably USNM

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Epitonium sp. Gardner, 1935, p. 278

Range.—Paleocene. Wills Point fm., upper Midway gr.
Localities.—TEXAS: *Bastrop Co.*, 4 mi. below Webberville, Colorado R. (USGS Stas. 11914, 11915, 12112)
Type.—Specimens, presumably USNM

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Epitonium sp. Gardner, 1935, p. 277, pl. 23, fig. 10

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Maverick Co.*, 6 mi. S. of McFarland sheep pens, 27 mi. SE. of Eagle Pass on Windmill (Jacal) ranch rd. (USGS Sta. 11754)
Type.—Figured specimen, presumably USNM

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Scala sp., Harris, 1894b, p. 45, pl. 3, fig. 2; Harris, 1896, p. 120, pl. 12, fig. 23

Range.—Paleocene. Base of Midway
Localities.—ARK.: *Pulaski Co.*, Olsen's switch SW. of Little Rock. ? ALA.: *Wilcox Co.*, ¾ mi. W. of Prarie Bluff
Types.—Figured specimens [Ulrich Coll.], No. 135147 USNM

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Scala sp. Harris, 1899a, p. 95, pl. 12, fig. 6

Range.—Lower Eocene. Middle or upper Wilcox [Sabine] gr.
Localities.—ALA.: *Wilcox Co.*, Yellow Bluff, Alabama R. TEXAS: *Sabine Co.*, Sabinetown, Sabine R.
Types.—Figured specimens, ANSP Lea Coll.

Epitonium sp. **Scalariidae** (Scalidae, Epitoniidae)
Epitonium sp., Le Blanc, 1942$^+$, p. 86

Range.—Paleocene. Midway gr.
Localities.—LA.: *Sabine Par.; Natchitoches Par.* See Le Blanc, for detailed description
Types.—Unfigured specimens, LSU Pal. Mus.

Erato ? constricta (Conrad)
See *"Marginella" constricta* Conrad

Erato crassilabra (Conrad)
See *Cryptospira (Euryentome) silabra* Palmer

Erato semenoides Gabb
See *Bullata semenoides* (Gabb)

Eratoidea constricta (Conrad)
See *"Marginella" constricta* Conrad

Eratoidea constrictoides (Meyer and Aldrich)
See *Marginella (Dentimargo) constrictoides* Meyer and Aldrich

Ethalia incertus (de Gregorio)
See *"Adeorbis" incertus* de Gregorio

Ethalia pignus (de Gregorio)
See *Skenea pignus* (de Gregorio)

Eucheilodon crenocarinata Heilprin **Turridae**

Eucheilodon creno-carinata Heilprin, 1880, p. 150, pl. [no No.], fig. 4; Aldrich, 1895b, p. 9; Harris, 1897a, p. 471, pl. 18, fig. 9; Aldrich, 1897a, p. 5, pl. 4, fig. 1 *creno-carinatus;* Schuchert, *et al.*, 1905, p. 254; Harris, 1937, p. 25, p. 26 *crenulo-carinatus* [*sic*], pl. 4, fig. 3b (not fig. 3a as on ex. pl.) *creno-carinatus;* Gardner, 1945, p. 250 in part

Eucheilodon crenocarinatus Heilprin, Cossmann, 1899b, p. 189, text fig. 35, *Eucheilodon* Heilprin is error for Gabb; Casey, 1903, p. 275 *crenocarinatum;* Casey, 1904, p. 140 *crenocarinatum;* Harris and Palmer, 1947, p. 424, pl. 58, figs. 10-13; Brann and Kent, 1960, p. 378

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R.; *Catahoula Par.*, Danville Ldg., Ouachita R.

Type.—Holotype, No. 8921 USNM

Eucheilodon gabbiana Casey Pl. 4, figs. 4, 5 **Turridae**

Eucheilodon gabbianum Casey, 1904, p. 140

Range.—Middle Eocene. (Type)

Locality.—TEXAS: "lower Claiborne Eocene" Casey (type)

Type.—Lectotype No. 639032 USNM

Eucheilodon reticulata Gabb **Turridae**

Eucheilodon reticulata Gabb, 1860d, p. 380, pl. 67, fig. 18; Conrad, 1865a, p. 20; Conrad, 1866a, p. 18; Aldrich, 1895b, p. 9; Casey, 1904, p. 140 *reticulatum*

Eucheilodon reticulatus Gabb, Harris, 1937, p. 25, pl. 4, figs. 3, 3a; [not as expl. of pl.]; Gardner, 1945, p. 249; Harris and Palmer, 1947, p. 423; Brann and Kent, 1960, p. 379; Glibert, 1960b, p. 80

Glyptostoma (Eucheilodon) reticulatum Gabb, Wenz, 1943, p. 1444, fig. 4086 copy Gabb

Range.—Middle Eocene. Stone City beds, middle Claiborne gr., or Wheelock mem., Cook Mt. fm., upper Claiborne gr. [Either horizon, type to be determined by locality of holotype.]

Localities.—TEXAS: *"Caldwell Co."* (Gabb, type) = *Burleson Co.*, Moseleys Ferry [Stone City Bluff], Brazos R. [*fide* Stenzel, Krause, and Twining, 1957, pp. 10, 11] "Wheelock" (Gabb, type) = *Robertson Co.*, Town Branch of Cedar Creek near Wheelock [*fide* Stenzel, Krause, and Twining, 1957, p. 11]; *Lee Co.*, Orell's Crossing, Elm Creek; *Houston Co.*, near Crockett; Alabama Bluff, Trinity R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City

Type.—Holotype, 13285 ANSP

Eucheilodon reticulatoides Harris
See *Scobinella reticulatoides* (Harris)

Eucymba ocalana Dall **Volutidae**

Cymba (Eucymba) ocalana Dall, 1890, pp. 81, 99 in part, not pl. 7, fig. 1 = Ocala specimen not type

Yetus (Eucymba) ocalana Dall, Cossmann, 1899b, pp. 123, 124 in part, not fig. 17 = *Eucymba* sp.

Eucymba ocalana Dall, Schuchert, *et al.*, 1905, p. 255 in part, locality and holotype correct, not pl. 7, fig. 1
Not *Scaphella (Eucymba) ocalana* Dall, Kellum, 1926, p. 31 = *Eucymba* sp.
? *Eucymba ocalana* Dall, Wenz, 1943, p. 133 in part, not fig. 3794

Unfortunately Dall included in the original description specimens from middle Claiborne (middle Eocene) and Ocala (upper Eocene). He figured the Ocala shell but selected the middle Claiborne specimen as type. Through the courtesy of David Nicol (per. com. June 11, 1956) the type locality, the catalogue number as given in Schuchert, *et al.*, p. 255, and the original data on the Ocala specimen were verified. See *Eucymba* sp. The specific name *ocalana* is misleading as to the stratigraphic horizon.

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Clarke Co.*, Wahtubbee [*sic*] Hills, 4½ mi. W. of Enterprise, Miss. (type)
Type.—Holotype, No. 11834 USNM

Eucymba ocalana Dall, 1890 in part
See *Eucymba* sp.

Eucymba sp. **Volutidae**

Cymba (Eucymba) ocalana Dall, 1890, pp. 81, 89 in part, pl. 7, fig. 1; Schuchert, *et al.*, 1905, p. 255 (locality and No. incorrect) under *Eucymba*
Yetus (Eucymba) ocalana Dall, Cossmann, 1899b, pp. 123, 124 in part, text fig. 17 drawn from Dall
Cf. *Scaphella (Eucymba) ocalana* Dall, Kellum, 1926, p. 31
? *Eucymba ocalana* Dall, Wenz, 1943, p. 1338 in part, fig. 3794 copy Dall

Range.—Upper Eocene. Cf. Castle Hayne ls., Jackson gr.; "Ocala ls." Ocala gr.
Localities.—FLA.: *Marion Co.*, limestone quarry of Mr. Richards, Ocala. Cf. N.C.: *Pender Co.*, Old Rocky Point
Type.—Figured specimen, No. 11827 USNM *fide* D. Nicol (pers. com. June 11, 1956)

Eulima aciculata (I. Lea)
See *Balcis aciculata* (I. Lea)

Eulima aciculata (I. Lea), Meyer, 1887b
See *Eulima jacksonensis* de Gregorio

Eulima aciculata var. *jacksonensis* de Gregorio
See *Eulima jacksonensis* de Gregorio

Eulima (Subularia) cainei Harris **Eulimidae**

Eulima (Subularia) cainei Harris, 1899a, p. 96, pl. 12, figs. 11, 11a; Brann and Kent, 1960, p. 380

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 1382 PRI

Eulima (Pasithea) claibornensis I. Lea
See *Pasitheola claibornensis* (I. Lea)

Eulima cossmanni Aldrich
See *Rissoina (Leaella) cossmanni* (Aldrich)

Eulima exilis Gabb
See *Balcis exilis* (Gabb)

Eulima exilis Harris, 1899a. Not Gabb, 1860d
See *Balcis wheeleri* (Palmer)

Eulima extremis Aldrich **Eulimidae**

Eulima extremis Aldrich, 1911, p. 8, pl. 3, fig. 4
Melanella extremis (Aldrich), Palmer, 1937, p. 65, pl. 6, figs. cf. 8, 9, 13 copy Aldrich, cf. 14, 15, cf. 21; Brann and Kent, 1960, p. 540

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Washington Co.*, one mi. above St. Stephens, Tombigbee R. (type); *Monroe Co.*, Claiborne Bluff, Alabama R. Cf. S.C., TEXAS, LA., see Palmer, 1937, p. 65 for additional localities, upper Claiborne gr. Not Jackson, Harris and Palmer, 1947, p. 224
Type.—Holotype, not found USNM, 1963

Eulima (Pasithea) guttula I. Lea
See *Pasitheola guttula* (I. Lea)

Eulima jacksonensis de Gregorio **Eulimidae**

Eulima aciculata (I. Lea), Meyer, 1887b, p. 54, pl. 3, fig. 5. Not *Pasithea aciculata* I. Lea, 1833, p. 102, pl. 4, fig. 82
Eulima aciculata var. *jacksonensis* de Gregorio, 1890, p. 161, pl. 16, fig. 4 copy Meyer
Melanella jacksonensis (de Gregorio), Harris and Palmer, 1947, p. 224 in part, pl. 26, fig. 16; Brann and Kent, 1960, p. 541

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type), 1st bluff below the bridge E. of the institution for the blind
Type.—Not found USNM, 1963

Eulima lugubris (I. Lea)
See *Balcis notata* (I. Lea)

Eulima notata (I. Lea)
See *Balcis notata* (I. Lea)

Eulima secale (I. Lea)
See "*Bayania*" *secale* (I. Lea)

Eulima tenaxa (Palmer) **Eulimidae**

Eulima texana Gabb, 1860d, p. 386, pl. 67, fig. 44; Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; Heilprin, 1891a, p. 400. Not *Eulima* ? *texana* Roemer, 1849, p. 413
Melanella tenaxa Palmer, 1937, p. 66, pl. 6, fig. 5 new name

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Locality.—TEXAS: "Caldwell Co." (type, Gabb) = *Burleson Co.*, Stone City Bluff, Brazos R. (Stenzel, Krause, and Twining, 1957, p. 11)

Type.—Holotype, lost *fide* Palmer, 1937, p. 66

Eulima tenua Gabb
See *Balcis tenua* (Gabb)

Eulima texana Gabb
See *Eulima tenaxa* (Palmer)

Eulimella tenua (Gabb)
See *Balcis tenua* (Gabb)
See also *Turbonilla (Ptycheulimella) sabina* Palmer

"Eulimella propenotata" de Gregorio **Pyramidellidae**

Eulimella propenotata de Gregorio, 1890, p. 160, pl. 15, figs. 36, 37; Cossmann, 1893, p. 24

"Eulimella propenotata" de Gregorio, Palmer, 1937, p. 78, pl. 7, figs. 12, 14

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Eumargarita (Solariella) cancellata (Conrad)
See *Solariella cancellata* (Conrad)

Eumargarita elegans (I. Lea)
See *Solariella stalagmium* (Conrad)

Eumargarita (Solariellla) fungina (Cossmann)
See *Solariella fungina* Cossmann

Eumargarita (Solariella) louisiana Dall
See *Solariella louisiana* Dall

Eumargarita (Solariella) tricostata (Conrad)
See *Solariella tricostata* (Conrad)

Eunaticina Boettgeri (Meyer and Aldrich)
See *Sigatica boettgeri* Meyer and Aldrich

Eunaticina erectoides Aldrich **Naticidae**

Sigaretus (Eunaticina) erectoides Aldrich, 1908b, p. 75, pl. 5, figs. 8, 9

Eunaticina erectoides Aldrich, Palmer, 1937, p. 143, pl. 13, figs. 6, 7 copy Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Clarke Co.*, De Soto (type)

Type.—No. 639056 USNM not holotype *fide* D. Wilson, Dec. 1963, pers. com.

Eupleura morula (Conrad) **Muricidae**

Murex morulus Conrad, 1860, p. 293, pl. 47, fig. 28; Conrad, 1865a, p. 16; Conrad, 1866a, p. 18; de Gregorio, 1890, p. 95, pl. 7, fig. 35 copy Conrad; Harris, 1897a, p. 476, pl. 20, fig. 12; Cossmann, 1893, p. 32. Not *Murex morulus* Schroeter, 1805, p. 103

Trophon morulus (Conrad), Harris, 1896, p. 100, pl. 10, fig. 1; Brann and Kent, 1960, p. 884

Phyllonotus morulus (Conrad), Harris, 1899a, p. 63, pl. 8, fig. 7

Pagodula morula (Conrad), Cossmann, 1903b, p. 193

Range.—Paleocene. Matthews Ldg. beds (probably type), uppermost Porters Creek fm., upper Midway gr. Lower Eocene. Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden (probably type), Showalter locality, see Harris, 1899a, pp. 44, 63; 1 mi. W. of Oak Hill P.O.; *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Holotype, No. 14225 ANSP, Moore, 1962, p. 78

Euryentome crassilabra (Conrad)
See *Cryptospira (Euryentome) silabra* (Palmer)

Euryentome silabra (Palmer)
See *Cryptospira (Euryentome) silabra* (Palmer)

Euryochetus harrisi Aldrich
See *Laevibuccinum (Euryochetus ?) harrisi* Aldrich

Euspira aldrichi Palmer **Naticidae**

Euspira aldrichi Palmer, 1937, p. 129, pl. 12, figs. 5, 8, 12 ?, 15 ?; Brann and Kent, 1960, pp. 382, 383

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; McBean fm., upper Claiborne gr.; Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type); *Clarke Co.*, Wautubbee. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg (paratype). TEXAS: *Bastrop Co.*, Smithville, Colorado R.

Types.—Holotype, No. 2787; ? paratype, No. 2786 PRI

Euspira eminula (Conrad)
See *Polinices eminulus* (Conrad)

Euspira enterogramma (Gabb)
See *Bolis enterogramma* (Gabb)
See also *Bolis lisboa* Gardner

Euspira erecta (Whitfield)
See *Lacunaria erecta* (Whitfield)

Euspira jacksonensis Palmer **Naticidae**

Lunatia minima Dall, 1892, p. 370 in part

Natica ("Naticarius") semilunata leana Palmer, 1937, p. 116, 118, 119 in part

Euspira jacksonensis Palmer *in* Harris and Palmer, 1947, p. 251, pl. 29, figs. 16-19; Brann and Kent, 1960, p. 383

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr. (type), Jackson; *Clarke Co.*, Garland Cr., near Shubuta (paratype). TEXAS: *Sabine Co.*, Sabine R., Texas side of center sec. 6, T. 3 N., R. 12 W. ½ mi. below Robinson's Ferry. LA.: *Caldwell Par.*, Bunker Hill bluff, Ouachita R.; ½ mi. below and at Gibsons Ldg., Ouachita R.; *Grant Par.*, Montgomery Ldg., lower and upper beds and ½ mi. below ferry, Red R.; *Winn Par.*, Tullos

Types.—Holotype, No. 4517; paratypes, Nos. 4518-4520 PRI

Euspira leana (Palmer) **Naticidae**

Polynices (Lunatia) minima (I. Lea), Dall, 1892, p. 370 in part

Cf. *Natica semilunata* I. Lea var. Harris, 1899a, p. 86, pl. 11, fig. 20; Brann and Kent, 1960, p. 586

"Natica" semilunata leana Palmer, 1937, p. 118 in part, pl. 11, figs. 5-7; Brann and Kent, 1960, p. 586; not Woods Bluff, Ala., lower Eocene, corrections to be made see under locality this species

Euspira leana (Palmer), Harris and Palmer, 1947, p. 252 in part

Range.—Cf. Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type), Brann and Kent, 1960, p. 586 locality wrong, not Woods Bluff, Ala., Wilcox Eocene; cf. *Clarke Co.*, Woods Bluff, Tombigbee R.

Types.—Holotype, No. 2768, paratypes, 2766, 2767 PRI

Euspira marylandica (Conrad) **Naticidae**

Lunatia marylandica Conrad, 1865a, p. 26; Conrad, 1865d, p. 211, pl. 21, fig. 11; Conrad, 1866a, p. 15; de Gregorio, 1890, p. 150 in part, pl. 14, fig. 49 copy Conrad as *Natica;* Dall, 1892, p. 371 in part; Clark, 1895, p. 4; Clark, 1896, p. 69, pl. 12, figs. 3a-c; Clark and Martin, 1901, p. 151, pl. 28, figs. 2, 2a, 3

Natica marylandica (Conrad), Cossmann, 1893, p. 25; Shimer and Shrock, 1944, p. 485, pl. 199, fig. 2 copy Clark and Martin

Euspira marylandica (Conrad), Palmer, 1937, p. 130 in part, not pl. 12, figs. 14, 16-18; not Brann and Kent, 1960, p. 383 see variations

Range.—Paleocene. Aquia fm. (type). Cf. lower Eocene. Nanjemoy fm.

Localities.—MD.: *Prince Georges Co.*, Upper Marlboro (type) Conrad label reads "U Marlboro" Moore, 1962, p. 74; Fort Washington (Clark). VA.: *King George Co.*, Potomac Cr.; Evergreen (Clark)

Types.—Probable syntypes, No. 15177 ANSP, Moore, 1962, p. 74

Euspira marylandica (Conrad) variation **Naticidae**

Natica eminula (Conrad) var. Harris, 1899a, p. 88, pl. 11, fig. 22; Harris, 1899b, p. 308, pl. 55, fig. 7; Brann and Kent, 1960, p. 581

Euspira marylandica (Conrad), Palmer, 1937, p. 130 in part, pl. 12, figs. 14, 16-18; Brann and Kent, 1960, p. 383

Polinices harrisii Gardner, Le Blanc, 1942⁺, pp. 91-93 in part, pl. 12, figs. 18, 19 only

Range.—Lower Eocene. Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.; Bells Ldg., TEXAS: *Sabine Co.*, Pendleton, Sabine R.; Sabinetown, Sabine R.; about ¼ mi. upstream from bridge over Sabine R. on La. Highway 6. For further localities in La. and Texas see Le Blanc lower Eocene localities, p. 93

Types.—Figured specimens, Nos. 194, 2788, 2789, PRI; No. 3152 LSU Pal. Mus.

Euspira marylandica (Conrad) variation **Naticidae**

Euspira marylandica (Conrad), Palmer, 1937, p. 132 in part

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R., S.C.: *Orangeburg Co.*, about 6 mi. WNW. Orangeburg

Types.—Unfigured specimens PRI

Euspira newtonensis (Meyer and Aldrich) **Naticidae**

Natica newtonensis Meyer and Aldrich, 1886 p. 42, pl. 2, fig. 12

Natica (Lunatia) semilunata I. Lea, de Gregorio, 1890, p. 148 in part, pl. 14, fig. 32 only copy *N. newtonensis* Meyer and Aldrich

Lunatia newtonensis (Meyer and Aldrich), Dall, 1892, p. 370

Ampullina newtonensis (Meyer and Aldrich), Cossmann, 1925b, p. 28

? *Natica (Lunatia) newtoniensis* [*sic*] (Meyer), Cossmann, 1925b, p. 135 [erroneous reference in Cossmann]

Euspira newtonensis (Meyer and Aldrich), Palmer, 1937, p. 129, pl. 12, figs. 1, 3, 6, 11; Brann and Kent, 1960, p. 383; Glibert, 1963a, p. 91

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton (type); Hickory; *Clarke Co.*, Wautubbee, about 8 mi. W. of Enterprise. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.

Type.—Holotype, No. 638733 USNM

Euspira perspecta (Whitfield) **Naticidae**

Natica perspecta Whitfield, 1865, p. 264; Whitfield, 1899, p. 172; Harris, 1896, p. 119, pl. 12, fig. 21; Gardner, 1945, p. 171, pl. 14, fig. 11 holotype; Brann and Kent, 1960, p. 584

Polynices (Lunatia) perspecta (Whitfield), Dall, 1892, p. 370

Cf. *Natica perspecta* Whitfield, Gardner, 1935, p. 304

Range.—Paleocene. Kincaid fm. (Gardner), lower Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; Wills Point fm. (Gardner), upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, "nine miles below Prairie Bluff" (Whitfield type) = Matthews Ldg., Alabama R.; ½ mi. W. of Graveyard hill. TEXAS: *Bastrop Co.*, Colorado R. about 4 mi. below Webbervillle, ½ - ¾ mi. above mouth of Dry Creek

Types.—Syntypes (3), No. UC 24517 CNHM

Euspira promovens de Gregorio

See "*Natica (Euspira) promovens*" de Gregorio

Euspira propeconica de Gregorio
See "*Natica (Euspira) propeconica*" de Gregorio

Euspira recurva (Aldrich)
See *Ampullella recurva* (Aldrich)

Euspira sabina (Palmer) **Naticidae**

Natica semilunata I. Lea, Harris, 1899a, p. 86 in part, pl. 11, fig. 18; Shimer and Shrock, 1944, p. 485, pl. 199, fig. 4 copy Harris
"*Natica*" *semilunata sabina* Palmer, 1937, p. 118, pl. 11, figs. 8, 9; Brann and Kent, 1960, p. 586
Euspira sabina (Palmer), Harris and Palmer, 1947, p. 252; Glibert, 1963b, p. 92

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; 3 mi. SW. of Thomasville; *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R. (type); NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Types.—Syntypes, Nos. 2769, 2770 PRI

Euspirocrommium perovatum (Conrad)
See *Crommium perovatum* (Conrad)

Euthria constricta (Aldrich)
See *Laevibuccinum constrictum* (Aldrich)

Euthria dubia (Aldrich) **Buccinidae**

Pisania ? dubia Aldrich, 1886, p. 25, pl. 3, fig. 13
Pisania sp. dub. Aldrich, de Gregorio, 1890, p. 93, pl. 7, fig. 22 copy Aldrich
Pisania dubia Aldrich, Cossmann, 1893, p. 34; Cossmann, 1901b, p. 165
Euthria dubia (Aldrich), Harris, 1899a, p. 55, pl. 7, fig. 6 not varices as appear on figure; Brann and Kent, 1960, p. 383
Urosalpinx dubia (Aldrich), Cossmann, 1903b, p. 50 age incorrect

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638766 USNM

Euthriofusus harrisi (Aldrich)
See Cf. *Pseudoneptunea harrisi* (Aldrich)

Euthriofusus ? mortoniopsis (Gabb)
See *Levifusus mortoniopsis* (Gabb)

Eutinochilus concioniaria [*sic*] (de Gregorio)
See "*Delphinula concionaria*" de Gregorio

Eutritonium autopsis (Conrad) **Cymatiidae**

Simpulum otopsis Conrad museum label. *Nomen nudum*
Simpulum autopsis Conrad, 1860, p. 293, pl. 47, fig. 25
Simpulum (Epidromus) otopsis Conrad, Conrad, 1865a, p. 20
Triton (Epidromus) autopsis (Conrad), de Gregorio, 1890, p. 97, pl. 7, fig. 46 copy Conrad
Triton otopsis (Conrad), Cossmann, 1893, p. 32

Triton (Epidromus) otopsis (Conrad), Harris, 1899a, p. 65, pl. 8, fig. 14 holotype
Tritonium (Colubraria) otopsis (Conrad), Cossmann, 1903b, p. 100
Because there is no definite locality or age for this shell, the species should be disregarded.

Range.—Unknown

Locality.—ALA.: "a locality further north in Alabama than any Mr. Tuomey had explored", Conrad, 1860, p. 291. Specimens not rediscovered, Harris, 1899a, p. 66

Type.—Holotype, No. 13810 ANSP, Moore, 1962, p. 41

Eutrochus claibornianus Palmer
See *Calliostoma (Eutrochus) claibornianum* Palmer

Evalea bartschi Aldrich
See *Odostomia (Evalea) bartschi* Aldrich

Evalea melanella (I. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Evalea melanella alveata (H. C. Lea)
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Exilia pergracilis Conrad **Fasciolariidae**

Exilia pergracilis Conrad, 1860, p. 291, pl. 47, not pl. 46 as in text, fig. 34; Conrad, 1865a, p. 20; Conrad, 1866a, p. 18; ? Aldrich, 1886, p. 58; Cossmann, 1893, p. 37; Harris, 1896, p. 90, pl. 9, fig. 1; Harris, 1899a, p. 44 in part; Cossmann, 1901b, p. 27, not pl. 7, figs. 3, 4; text fig. 13 "after Conrad" poor; Davies, 1935, p. 314; Gardner, 1935, p. 224, pl. 20, figs. 18, 19; Brann and Kent, 1960, p. 384
Fusus (Exilia) pergracilis Conrad, Tryon, 1883b, p. 127, pl. 47, fig. 74; de Gregorio, 1890, p. 80, pl. 6, fig. 10 copy Conrad

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm., upper Midway gr.; Matthews Ldg. beds (probable type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: "Dr. Showalter" (type, Conrad) =*Wilcox Co.*, Matthews Ldg., Alabama R. *fide* Harris, 1899a, p. 44; 1 mi. W. of Oak Hill P.O.; Dale's Branch; Nanafalia (Aldrich). MISS.: *Tippah Co.*, ½ mi. N. of Ripley. TEXAS: *fide* Conrad, 1865a; for localities in Milam and Bastrop Cos., see Gardner, 1935, p. 224

Type.—Holotype, No. 14202 ANSP Moore, 1962, p. 85

Exilia sp. **Fasciolariidae**

Exilia pergracilis Conrad, Aldrich, 1886, p. 58
Exilia pergracilis Conrad var., Cossmann, 1901b, pp. 26, 27, pl. 7, figs. 3, 4 not text fig. 13 "after Conrad" = *E. pergracilis* Conrad poor representation

Range.—Lower Eocene. Nanafalia fm., lower Wilcox [Sabine] gr.

Locality.—ALA.: *Marengo Co.*, Nanafalia, Tombigbee R. (Aldrich). No locality (Cossmann)

Type.—Figured specimen, not found (Lab. Géol., Sorbonne, Paris), M. Beauvais, 11/27/64

Exilifusus thalloides (Conrad) **Fasciolariidae**

Fusus thalloides Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 68); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 56, pl. 18, fig. 12 (Harris reprint, 1893, p. 112, pl. 18, fig. 12); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 45

Fusus pulcher I. Lea, 1833, p. 144, pl. 5, fig. 144; H. C. Lea, 1849, p. 100; de Gregorio, 1890, p. 82, pl. 7, fig. 21 copy I. Lea; Harris, 1895b, p. 37 = *F. thalloides* Conrad

Exilifusus thalloides (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 19; Palmer, 1937, p. 356, pl. 48, figs. 2, 4; pl. 87, fig. 5 type, fig. 6 *F. pulcher* I. Lea type; Brann and Kent, 1960, p. 384

Fusus (Exilifusus) thalloides Conrad, de Gregorio, 1890, p. 89, pl. 6, fig. 41 copy Conrad

Latirofusus pulcher (I. Lea) Cossmann, 1893, p. 37

? *Ptychatractus thalloides* (Conrad), Cossmann, 1893, p. 35; Cossmann, 1901b, p. 54

Dolicholathyrus pulcher (I. Lea), Cossmann, 1901b, p. 24

Latirus (Exilifusus) thalloides (Conrad), Wenz, 1943, p. 1243, fig. 3544 copy Palmer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype + 1 specimen, No. 13942 ANSP Moore, 1962, p. 102. Holotype *Fusus pulcher* I. Lea, No. 5748 ANSP

Expleritoma prima Aldrich
See *Bullia altilis* (Conrad)

Falsifusus ? apicalis (Johnson) **Fasciolariidae**

Fusus apicalis Johnson, 1899, p. 71, pl. 1, fig. 3; Cossmann, 1906b, p. 226

Falsifusus apicalis (Johnson), Grabau, 1904, p. 83, pl. 81, fig. 2, text fig. 8; Palmer, 1937, p. 355, pl. 48, fig. 5 copy Johnson

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—TEXAS: *Houston Co.*, "Alabama Bluff" or Alabama Crossing, Trinity R., 15 mi. SW. of Crockett (type)

Type.—Holotype, No. 6878 ANSP

Falsifusus bastropensis (Harris) **Fasciolariidae**

Fusus bastropensis Harris, 1895a, p. 71, pl. 7, fig. 2; Cossmann, 1901b, p. 12; Brann and Kent, 1960, p. 398

Falsifusus bastropensis (Harris), Palmer, 1937, p. 353, pl. 48, figs. 6, 11 holotype, fig. 10; Brann and Kent, 1960, p. 384

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Burleson Co.*, big branch Cedar Cr. E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City [probably Cedar Cr. near Wheelock, Robertson Co. *fide* Stenzel, pers. com. 1959]. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A and V. R.R.; Hickory. LA.: *Sabine Par.*, Columbus, Sabine R.; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Type.—Holotype, No. 2356 PRI

Falsifusus harrisi Le Blanc **Fasciolariidae**

Fusus meyeri Aldrich "var." Harris, 1896, p. 87, pl. 3, fig. 12; Harris, 1899a, p. 42; Brann and Kent, 1960, p. 339 add "var."

Falsifusus ottonis (Aldrich) ? Gardner, 1935, p. 248 in part, 249 sp., pl. 21, fig. 5

Falsifusus harrisi Le Blanc, 1942⁺, p. 131, pl. 16, figs. 5, 6

Falsifusus meyeri (Aldrich), Shimer and Shrock, 1944, p. 507 Paleocene

Range.—Paleocene. Kincaid fm., lower Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill; Dale's Branch; Matthews Ldg., Alabama R., 9 mi. W. Camden, sec. 12, T. 12 N., R. 6 E. (type). LA.: *Sabine Par.*, ravine center NW. ¼ sec. 1, T. 9 N., R. 12 W. TEXAS: *Falls Co.*, Brazos R. just above Falls Co. line (USGS sta. 10801)

Type.—Holotype, No. 3144 LSU Pal. Mus.

Falsifusus hector (Whitfield) **Fasciolariidae**

Fusus (Neptunea ?) Hector Whitfield, 1892, p. 199, pl. 25, figs. 3-6; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Types.—Syntypes, not found Rutgers, 1965

Falsifusus hector multilineatus (Whitfield) **Fasciolariidae**

Fusus (Neptunea ?) Hector var. *multilineatus* Whitfield, 1892, p. 199, pl. 25, fig. 7; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.; *Monmouth Co.*, Shark R. (type)

Type.—Holotype, not found Rutgers, 1965

Falsifusus houstonensis (Johnson) **Fasciolariidae**

Fusus houstonensis Johnson, 1899, p. 72, pl. 1, fig. 4; Cossmann, 1906b, p. 226

Falsifusus houstonensis (Johnson), Grabau, 1904, p. 83, text fig. 7 Palmer, 1937, p. 354, pl. 48, figs. 8 ?, 12; Brann and Kent, 1960, p. 384

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Houston Co.*, "Alabama Bluff," Trinity R., 15 mi. SW. Crockett (type)

Type.—Holotype, No. 6877 ANSP

Falsifusus ludovicianus (Johnson) **Fasciolariidae**

Fusus ludovicianus Johnson, 1899, p. 72, pl. 1, fig. 5; Cossmann, 1906b, p. 226

Falsifusus ludovicianus (Johnson), Grabau, 1904, p. 82, pl. 18, fig. 1, text fig. 6; Wrigley, 1927, p. 247 suggested *Fusinus;* Palmer, 1937, p. 354, pl. 48, figs. 7, 13; Brann and Kent, 1960, p. 384

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Winn Par.*, St. Maurice (type). TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 9488 ANSP

Falsifusus meyeri (Aldrich)
See *Falsifusus ottonis* (Aldrich)
See also *Falsifusus harrisi* Le Blanc

Falsifusus ottonis (Aldrich) **Fasciolariidae**

Fusus meyeri Aldrich, 1886, p. 21 in part, pl. 3, fig. 12; Cossmann, 1901b, p. 12. Not *Fusus meyeri* Dunker, 1871, p. 127 Recent
Fusus serratus var. *Meyeri* Aldrich, de Gregorio, 1890, p. 81, pl. 6, fig. 11 copy Aldrich
Fusus unicarinatus Deshayes, Cossmann, 1893, p. 37. Not Deshayes, 1835a, p. 515
Fusus ottonis Aldrich, 1897a, p. 6 new name for *F. meyeri;* Harris, 1899a, p. 42, pl. 5, fig. 5 type; Cossmann, 1901b, p. 11
Falsifusus meyeri (Aldrich), Grabau, 1904, p. 81, pl. 17, fig. 9, text fig. 4 copy Harris, 1899a; Schuchert, *et al.*, 1905, p. 265; Grabau, 1935, pp. 126-130, text fig. 52 as *Fulsifusus* [*sic*]; Shimer and Shrock, 1944, p. 507 in part, pl. 208, fig. 16 copy Harris not Paleocene
Falsifusus Ottonis (Aldrich), Cossmann, 1906b, p. 226
Falsifusus ottonis (Aldrich) ? Gardner, 1935, p. 248 in part, not pl. 21, fig. 5
Fusinus (Falsifusus) ottonis (Aldrich), Wenz, 1943, p. 1260, fig. 1390 copy Harris, 1899a

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype *F. meyeri* = *F. ottonis* Aldrich, No. 638756 USNM

"Falsifusus" perobliquus (Johnson) **Fasciolariidae**

Fusus perobliquus Johnson, 1899, p. 72
"Falsifusus" perobliquus (Johnson), Palmer, 1937, p. 355, pl. 48, fig. 9 holotype

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)
Type.—Holotype, No. 9167 ANSP

Cf. **Falsifusus subfilosus** (Aldrich) **Fasciolariidae**

Fusus subfilosus Aldrich, 1897a, p. 14, pl. 2, fig. 2; Cossmann, 1901b, p. 12, text fig. 3
"Fusus" subfilosus Aldrich, Palmer, 1937, p. 356, pl. 48, fig. 1 copy Aldrich

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638995 USNM

Falsifusus tobar Gardner **Fasciolariidae**

Falsifusus tobar Gardner, 1935, p. 250, pl. 21, fig. 8

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.
Locality.—TEXAS: *Maverick Co.*, (USGS Sta. 11754), 6 mi. S. of McFarland sheep pens and 27 mi. SE. of Eagle Pass (type)
Type.—Holotype, No. 370933 USNM

"Falsifusus" sp. **Fasciolariidae**

Falsifusus sp. Gardner, 1935, p. 250
Range.—Paleocene. Kincaid fm., lower Midway gr.
Localities.—TEXAS: *Bastrop Co.*, Colorado R., between 4 and 5 mi. below Webberville (USGS stas. 11915 and 12112)
Type.—Unfigured specimen probably USNM

"Falsifusus ?" sp. **Fasciolariidae**

Falsifusus ? sp. Gardner, 1935, p. 250

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Milam Co.*, Cribbs Bluff, Brazos R., 1 mi. below Falls Co. line
Type.—Unfigured specimen probably USNM

Fasciolaria (Leucozonia) biplicata Aldrich
See cf. *Latirus biplicatus* (Aldrich)

"Fasciolaria" crookiana Whitfield **Fasciolariidae**

Fasciolaria crookiana Whitfield, 1905, p. 300, figs. 1, 2

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, No. 9744/1 AMNH

Fasciolaria elevata I. Lea
See *Mitrella (Columbellopsis) elevata* (I. Lea)

Fasciolaria errabunda de Gregorio
See *Lirofusus thoracicus* (Conrad)

Fasciolaria errasa [*sic*] (Conrad)
See *Levifusus irrasus* (Conrad)

Fasciolaria Hercules Whitfield
See *Clavilithes hercules* (Whitfield)

Fasciolaria Jacksonensis Aldrich
See *Latirus humilior jacksonensis* (Aldrich)

Fasciolaria moorei Gabb
See *Latirus moorei* (Gabb)

Fasciolaria oweni Dall *in* Call
See *Mazzalina inaurata oweni* Dall

Fasciolaria pergracilis Aldrich
See *Palaeorhaphis pergracilis* (Aldrich)

Fasciolaria plicata I. Lea
See *Latirus plicatus* (I. Lea)

"Fasciolaria ?" plummeri Gardner **Fasciolariidae**

Fasciolaria ? plummeri Gardner, 1935, p. 246, pl. 22, figs. 1-3

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Locality.—TEXAS: *Caldwell Co.*, 5½ mi. due N. of Lockhart on the E. A. Moser farm Isaac Jackson survey about ½ mi. NW. of Simms Oil Co. derrick (type)
Types.—Holotype, No. 370931; paratype, No. 370985 USNM

Fasciolaria polita Gabb
See *Fusimitra polita* (Gabb)

Fasciolaria propinqua Whitfield
See *Clavilithes propinqus* (Whitfield)

Fasciolaria saffordi Gabb
See *Volutocorbis rugatus saffordi* (Gabb)

Fasciolaria Samsoni Whitfield
See *Clavilithes samsoni* (Whitfield)

"Fasciolaria" n. sp. **Fasciolariidae**

Fasciolaria n. sp. Gardner, 1935, p. 247, pl. 22, fig. 4

Range.—Paleocene. Kincaid fm.. lower Midway gr.
Locality.—TEXAS: *Maverick Co.*, Indio wells, 29 mi. SE. of Eagle Pass
Type.—Figured specimen, No. 370932 USNM

"Fasciolaria" sp. **Fasciolariidae**

Fasciolaria sp. Gardner, 1935, p. 248

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R., ½ mi. above mouth of Dry Creek, 4 mi. downstream from Webberville
Type.—Unfigured specimen probably USNM

Fastigiella vincta (Whitfield)
See *Dirocerithium vinctum* (Whitfield)

Ferminoscala dolosa (Aldrich)
See *Scalina dolosa* (Aldrich)

Ficopsis juvenis (Whitfield)
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Ficopsis penita (Conrad) **Ficidae**

Pyrula penita Conrad, 1833b, p. 32 [not illus.] (Harris reprint, 1893, p. 54); Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 363; Heilprin, 1879b, p. 223; Harris, 1895b, p. 33; Wrigley, 1929, pp. 247, 249, pl. 16, fig. 19 as *Ficus*

Pyrula elegantissima I. Lea, 1833, p. 155, pl. 5, fig. 161; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 363; Tuomey, 1858, p. 267; Harris, 1895b, p. 18 = *P. penita* Conrad

Pyrula cancellata I. Lea, 1833, p. 154, pl. 5, fig. 160; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 363; Tuomey, 1858, p. 267; Harris, 1895b, p. 9 = *P. penita* Conrad

Pyrula tricarinata Conrad, 1835a, p. 38, pl. 15, fig. 6 (Harris reprint, 1893, p. 94, pl. 15, fig. 6). Not Lamarck, 1803, p. 391

Sycotypus penita (Conrad), Conrad, 1854, p. 31; Conrad, 1865a, p. 23

Ficopsis penitus (Conrad), Conrad, 1866a, p. 15

Ficula nexilis (Lamarck), de Gregorio, 1890, p. 101 in part, pl. 7, figs. 55, 56; fig. 57 copy *P. elegantissima* I. Lea; fig. 58 copy *P. cancellata* I. Lea, fig. 59 copy *P. tricarinata* Conrad. Not *Pyrula nexilis* Lamarck, 1803, p. 391

Pyrula nexilis Lamarck, Heilprin, 1891a, p. 399. Not Lamarck, 1803, p. 391

Cf. *Ficus penitus* ? (Conrad), Whitfield, 1892, p. 225, pl. 34, fig. 5

Pirula cancellata I. Lea, Cossmann, 1893, p. 31; Cossmann, 1903b, p. 142

Ficopsis penita (Conrad), Palmer, 1937, p. 255, pl. 33, figs. 8-15; Shimer and Shrock, 1944, p. 500 in part, pl. 205, fig. 17 copy Conrad, 1835a *P. tricarinata;* Brann and Kent, 1960, pp. 389, 390; Glibert, 1963a, p. 129

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; cf. Shark R. ml., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. Cf. LA.: *Winn Par.*, St. Maurice; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; Brewer's [well] 1200 ft. Monroe; *Bienville Par.*, Hammetts Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. MISS.: *Newton Co.*, Hickory; Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; 2 mi. NE. of Newton on route 15; *Clarke Co.*, Wautubbee; Wautubbee cut 6 mi. S. of Enterprise

Types.—Lectotype, ANSP, Palmer, 1937, not found, 1962. Remaining specimens ?, No. 15097 ANSP Moore, 1962, p. 84. Holotype *P. cancellata* I. Lea, No. 5803 ANSP. Holotype *P. elegantissima* I. Lea, No. 5807 ANSP. Holotype *P. tricarinata* missing Moore, 1962, p. 103

Ficopsis texana (Harris) **Ficidae**

Pyrula (Fusoficula) texana Harris, 1895a, p. 77, pl. 8, fig. 11; Aldrich, 1895b, p. 14, pl. 2, figs. 12, 12a; Wrigley, 1929, p. 247

Odontopolys texana Aldrich ms. *in* Aldrich, 1895b, p. 14

Volutilithes rectus Aldrich ms. *in* Aldrich, 1895b, p. 14

Ficopsis texanus (Harris), Stewart, 1927, p. 375

Fulguroficus texana (Harris), Wrigley, 1929, p. 249

Ficopsis texana (Harris), Palmer, 1937, p. 257, pl. 34, fig. 14 lectotype copy Harris, figs. 15, 16 (described as fig. 19 on pl.); Brann and Kent, 1960, p. 390; Glibert, 1962a, p. 130

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr. Cf. Cook Mt. fm., upper Claiborne gr. Cf. McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type); *Robertson Co.*, Dunn's Ranch; *Lee Co.*, Elm Creek; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R., SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., opposite Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129); Cf. LA.: *Bienville Par.*, Hammetts Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon;

well depth 40 ft., Mt. Lebanon. Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; Hickory; about 2½ and 3 mi. E. of Newton; *Clarke Co.*, Wautubbee, about 8 mi. W. of Enterprise. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg

The locality of the specimen figured by Harris was not indicated. In the Texas Harris manuscript the locality of the "specimen figured" is "Mus. [Texas] No. 1455, Sta. 43d." which is Moseley's Ferry, Texas.

Type.—Holotype, No. 35632 BEG

Ficopsis sp. **Ficidae**

Pyrula penita Conrad var., Clark and Martin, 1901, p. 141, pl. 24, fig. 2

Range.—Lower Eocene. Nanjemoy fm.
Locality.—MD.: *Charles Co.*, Popes Cr.
Type.—Figured specimen, USNM

Ficula juvenis (Whitfield)
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Ficula nexilis (Lamarck), de Gregorio, 1890. Not Lamarck, 1803
See *Ficopsis penita* (Conrad)

Ficula tricostata (Deshayes), de Gregorio, 1890. Not *Pyrula tricostata* Deshayes, 1835a, p. 584
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)
See also *Priscoficus (Fulguroficus)* sp.

Ficus affinis Van Winkle **Ficidae**

Ficus affinis Van Winkle *in* Van Winkle and Harris, 1919, p. 8, pl. 1, figs. 10, 10a; Palmer, 1937, p. 255, pl. 34, figs. 12, 13 holotype; Brann and Kent, 1960, p. 390

Range.—Lower Eocene. Nanjemoy fm. (type)
Localities.—VA.: *Prince George Co.*, James R. just below City Point (type). N.C.: *Craven Co.*, 16 or 17 mi. above "Newburn" New Bern
Type.—Holotype, No. 1398 PRI

Ficus filia (Meyer) **Ficidae**

Fulgur filius Meyer, 1885a, pp. 465, 468; Aldrich, 1885c, p. 308
Ficus filia (Meyer), Meyer, 1887a, p. 8, pl. 1, fig. 10
Not ? *Pyrula filia* (Meyer), B. Smith, 1907a, pp. 210, 214, 215, pl. 17, fig. 6 = *F. merita* Palmer
Ficus filia (Meyer), Gardner, 1939a, p. 35; Harris and Palmer, 1947, p. 323, pl. 43, figs. 7, 8, holotype, figs. 9, 10; Brann and Kent, 1960, p. 391

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type), Moodys Branch. LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.
Type.—Holotype, No. 638710 USNM

Ficus juvenis (Whitfield)
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Ficus merita Palmer **Ficidae**

? *Pyrula filia* "Meyer", B. Smith, 1907a, pp. 210, 214, 215, pl. 17, fig. 6 nucleus. Not *Fulgur filius* Meyer, 1885a, p. 465

Ficus merita Palmer *in* Harris and Palmer, 1947, pp. 322, 326, pl. 43, figs. 4-6; Brann and Kent, 1960, p. 391

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); ½ mi. below ferry, Montgomery Ldg., Red R.; *Caldwell Par.*, ½-1 mi. back of Bunker Hill, Ouachita R. MISS.: *Hinds Co.*, Town Cr., Jackson
Types.—Holotype, No. 4644; paratypes Nos. 4643, 4645 PRI

Ficus penitus ? (Conrad)
See *Ficopsis penita* (Conrad)

Ficus sp. **Ficidae**

Cassis ? sp. Kellum, 1926, p. 28, pl. 5, figs. 14, 15

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Types.—Figured specimens, Nos. 353257, 353228 USNM

Fissurella alabama Harris
See *Diodora alabama* (Harris)

Fissurella altior Meyer and Aldrich
See *Puncturella (Altrix) altior* (Meyer and Aldrich)

Fissurella Claibornensis I. Lea
See *Diodora tenebrosa* (Conrad)

? *Fissurella claibornensis* I. Lea, Meyer and Aldrich, 1886, Jackson. Not I. Lea, 1833
See *Diodora tenebrosa veatchi* Palmer

Fissurella mediavia Harris
See cf. *Diodora mediavia* Harris

Fissurella mississippiensis Conrad, Pilsbry and Johnson, 1892 listed as Eocene. The species is Oligocene.

Fissurella tenebrosa Conrad
See *Diodora tenebrosa* (Conrad)

Fissurella unilineata Aldrich
See *Diodora unilineata* (Aldrich)

Fissurella ? spp. Le Blanc, 1942⁺
See *Diodora* ? spp.

Fissuridea altior (Meyer and Aldrich)
See *Puncturella (Altrix) altior* (Meyer and Aldrich)

Fissuridea infrequens Aldrich
See *Diodora infrequens* (Aldrich)

Fissuridea mauryi Aldrich
See *Diodora mauryi* (Aldrich)

Fissuridea penderensis Kellum
See *Diodora penderensis* (Kellum)

Fissuridea tenebrosa (Conrad)
See *Diodora tenebrosa* (Conrad)

Fissuridea sp. Kellum, 1926
See *Diodora* sp.

Fissurisepta altior (Meyer and Aldrich)
See *Puncturella (Altrix) altior* (Meyer and Aldrich)

Fossarus (Tuba) alternata (I. Lea)
See *Gegania antiquata* (Conrad)

Fulgur argutus Clark
See *Priscoficus arguta* (Clark)

Fulgur ? dallianum Harris
See *Levifusus dallianus* (Harris)

Fulgur eocense Aldrich
See *Perissolax eocensis* (Aldrich) lower Eocene
See also *Perissolax* sp. Paleocene

Fulgur filius Meyer
See *Ficus filia* (Meyer)

Fulgur trabeatum (Conrad)
See *Levifusus trabeatus* (Conrad)

Fulgur triserialis Whitfield
See *Priscoficus triserialis* (Whitfield)

Fulguroficus argutus (Clark)
See *Priscoficus arguta* (Clark)

Fulguroficus juvenis (Whitfield)
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)
See also *Priscoficus (Fulguroficus)* spp. Paleocene

Fulguroficus texana (Harris)
See *Ficopsis texana* (Harris)

Fulguroficus triserialis (Whitfield)
See *Priscoficus triserialis* (Whitfield)
See also *Priscoficus arguta* (Clark)

Fulgurofusus quercollis (Harris) **Fasciolariidae**

Fusus quercollis Harris, 1896, p. 86, pl. 8, fig. 9; Cossmann, 1901b, p. 11; Brann and Kent, 1960, p. 399

Fulgurofusus quercollis (Harris), Grabau, 1904, p. 86, pl. 17, fig. 6, text fig. 9 copy Harris; Cossmann, 1906b, p. 227; Grabau, 1935, pp. 126, 128-131, text figs. 54, 55; Wenz, 1941, p. 1086, fig. 3087 after Harris; Shimer and Shrock, 1944, p. 507, pl. 208, fig. 20 copy Harris

Range.—Paleocene. Naheola fm. (type), upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill (type). MISS.: *Tippah Co.*, ½ mi. N. of Ripley

Type.—Holotype, No. 102 PRI

Fulgurofusus rugatus (Aldrich) **Fasciolariidae**

Fusus rugatus Aldrich, 1886, p. 22, pl. 5, fig. 9; de Gregorio, 1890, p. 81, pl. 6, fig. 13 copy Aldrich; Harris, 1897a, p. 478, pl. 22, fig. 8; Harris, 1899a, p. 43, pl. 5, fig. 6; Cossmann, 1901b, p. 12
Fulgurofusus rugatus (Aldrich), Grabau, 1904, p. 86, text fig. 10 copy Harris, 1899a; Grabau, 1935, p. 131, text fig. 56

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 638758 USNM

Fusimitra adamsi Palmer **Mitridae**

Fusimitra adamsi Palmer, 1937, p. 407, pl. 66, fig. 11; Brann and Kent, 1960, p. 395

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Types.—Holotype, No. 3249; paratype, No. 3250 PRI [not syntypes as in text p. 408, see pl. 66, fig. 11]

Fusimitra cincta (Meyer)
See *Uromitra gracilis* (H. C. Lea)

Fusimitra conquisita (Conrad), Conrad, 1866a; Harris and Palmer, 1947 in part Jackson Eocene
See *Fusimitra millingtoni* (Conrad)

Fusimitra exilis (Gabb)
See *Uromitra brazosana* Palmer and Brann, new name

Fusimitra lineata (I. Lea)
See *Uromitra ? terplicata* (de Gregorio)

Fusimitra marylandica (Clark) **Mitridae**

Mitra marylandica Clark, 1895, p. 4; Clark, 1896, p. 66, pl. 11, figs. 3a, 3b; Clark and Martin, 1901, p. 132, pl. 21, figs. 9, 9a syntype; Schuchert, *et al.*, 1905, p. 406
Turricula (Fusimitra) marylandica (Clark), Cossmann, 1899b, p. 168
Fusimitra marylandica (Clark), Palmer, 1937, p. 406

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Prince Georges Co.*, Pamunkey Neck (type) [Pomonkey Neck, Clark and Martin]
Types.—Syntypes, No. 115799 USNM

Fusimitra millingtoni (Conrad) **Mitridae**

Mitra Millingtoni Conrad *in* Wailes, 1854, p. 289, pl. 16 [17], fig. 5 (reprint, 1939, p. 19, pl. 3, fig. 5); Conrad, 1856a, p. 261 as *M. (Fusimitra) Mellingtoni* [*sic*] (reprint, 1939, p. 7); Conrad, 1865a, p. 25 synonymous with *M. conquisita* Conrad Oligocene; Dall, 1890, p. 94; Veatch, 1906, pl. 20, fig. 4
Fusimitra conquisita (Conrad), Conrad, 1866a, p. 25 upper (Jackson) Eocene. United *F. conquisita* and *F. millingtoni;* Harris and Palmer, 1947, p. 399 in part, pl. 55, figs. 1-6, 9, 11 *F. millingtoni*, figs. 7, 8 *F. conquisita* s. s. Oligocene; fig. 10 *F. mississippiensis* Oligocene. Harris and Palmer united *F. millingtoni* and *F. conquisita*. For pur-

poses of this catalogue we are separating the two forms; Wilbert, 1953, p. 124, pl. 2, fig. 8; Brann and Kent, 1960, pp. 395, 396

Mitra subconquisita de Gregorio, 1890, p. 76, pl. 5, figs. 50, 51 as *subcomposita*

Mitra missipiensis [*sic*] Conrad, de Gregorio, 1890, p. 76, pl. 5, figs. 52-55; Cossmann, 1893, p. 37 *mississippiensis*

Mitra Millingtoni Conrad, Cossmann, 1899b, p. 158

Fusimitra millingtoni (Conrad), Harris, 1940, p. 258; Shimer and Shrock, 1944, p. 509

Mitra (Fusimitra) millingtoni Conrad, Wenz, 1943, p. 1291

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; White Bluff fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.; "Ocala ls.", Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr., under and above G.M. and N. R.R. bridge, end of State St., Jackson. ALA.: *Monroe Co.*, in ls. above Gosport sd., Claiborne, Alabama R. LA.: *Grant Par.*, Montgomery Ldg., about ½ mi. below ferry, Red R., same lower bed; *Caldwell Par.*, ½ mi. below and ½ mi. above Gibson Ldg., Ouachita R.; ravines in stream ½-1 mi. back of Bunker Hill, Ouachita R.; Bunker Hill bluff, Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R. TEXAS: *Sabine Co.*, below Robinson's Ferry, Sabine R. (Veatch, 1902, pp. 131, 132). ARK.: *Jefferson Co.*, White Bluff, W. bank, Arkansas R.; *Cleveland Co.*, left bank, Saline R., 3 mi. downstream from mouth of Big Cr. at Caney Point, opp. NE. corner NW. ¼ sec. 6, T. 11 S., R. 9 W.

Supposedly De Gregorio's material *(F. subconquisita* and *F. missipiensis* [*sic*]) came from Gosport sd., but the specimens are like Jackson shells. The figured shells (26427 PRI) are not Gosport sd. specimens.

Types.—Lectotype, No. 13203 ANSP Moore, 1962, p. 75. Syntypes *F. subconquisita* de Gregorio, No. 26427 PRI De Gregorio Coll.

Fusimitra minima (I. Lea)
See *Fusimitra perexilis* (Conrad)

Fusimitra perexilis (Conrad) **Mitridae**

Mitra perexilis Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 42, pl. 16, fig. 7; (Harris reprint, 1893, p. 98, pl. 16, fig. 7); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 355; de Gregorio, 1890, p. 73, pl. 5, figs. 43, 44 copy Conrad; Harris, 1895b, p. 33; not *Mitra perexilis* Harris, 1899b, expl. pl. 4, fig. 10 mistake for *pergracilis*

Mitra minima I. Lea, 1833, p. 168, pl. 6, fig. 175; H. C. Lea, 1849, p. 101; de Gregorio, 1890, p. 73, pl. 5, fig. 45 copy I. Lea; Harris, 1895b, p. 28

Mitra eburnea H. C. Lea, 1841, p. 102, pl. 1, fig. 21; H. C. Lea, 1849, p. 101; de Gregorio, 1890, p. 74, pl. 5, fig. 63 copy H. C. Lea; Harris, 1895b, p. 17

Fusimitra ? *perexilis* (Conrad), Conrad, 1865a, p. 25; Conrad, 1866a, p. 16

Fusimitra ? *minima* (I. Lea), Conrad, 1865a, p. 25; Conrad, 1866a, p. 16

Fusimitra perexilis (Conrad), Cossmann, 1893, p. 38; Cossmann, 1899b, p. 168; Palmer, 1937, p. 405, pl. 66, figs. 7, 8, 16; pl. 88, fig. 5 type *M. minima* I. Lea; pl. 89, fig. 12 type *M. eburnea* H. C. Lea.; Brann and Kent, 1960, p. 396

Fusimitra minima (I. Lea), Cossmann, 1893, p. 38; Cossmann, 1899b, p. 168

Mitra (Fusimitra) perexilis Conrad, Glibert, 1960a, p. 38

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm. and McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Brazos Co.*, Little Brazos R. 2½ mi. above Stone City. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg

Types.—Lectotype + 2 specimens, No. 17165 ANSP Moore, 1962, p. 85. Holotype, *M. minima* I. Lea, No. 5866 ANSP. Holotype, *M. eburnea* H. C. Lea, No. 13165 ANSP

Fusimitra polita (Gabb) **Mitridae**

Fasciolaria polita Gabb, 1860d, p. 382, pl. 67, fig. 28; cf. Aldrich, 1886, p. 47; cf. de Gregorio, 1890, p. 78. Not *Mitra polita* Reeve, 1844, vol. 2, sp. 94, pl. 13

Fusimitra polita (Gabb), Heilprin, 1891a, p. 396; Palmer, 1937, p. 407, pl. 66, figs. 17, 18; pl. 88, fig. 2 type; Shimer and Shrock, 1944, p. 509, pl. 210, fig. 1 copy Palmer; Brann and Kent, 1960, p. 396

Turricula polita (Gabb), Kennedy, 1895, p. 128

Mesorhytis polita (Gabb), Cossmann, 1899b, p. 171, pl. 8, fig. 14

Conomitra polita of authors. Not *Conomitra polita* Vaughan, 1896, p. 35, pl. 3, fig. 1 which see

Mitra (Fusimitra) polita (Gabb), Wenz, 1943, p. 1292, fig. 3680 copy Palmer; Glibert, 1960a, p. 38

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.; Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.

Localities.—TEXAS: "*Caldwell Co.*" (Gabb, type) = Robertson Co., Town Branch of Cedar Creek near Wheelock (*fide* Stenzel, Krause, and Twining, 1957, p. 11); *Bastrop Co.*, Smithville, Colorado R. Cf. ALA.: *Monroe Co.*, Lisbon, Alabama R. (Aldrich)

Type.—Holotype, No. 13280 ANSP

Cf. **Fusimitra** spp. **Mitridae**

Mitra spp. a-f Kellum, 1926, p. 30, pl. 5, figs. 19-24

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Localities.—N.C.: *New Hanover Co.*, Wilmington; *Pender Co.*, old Rocky Point

Types.—Figured specimens, Nos. 138079, 353317, 353283, 353284, 353286, 353287 USNM

Fusinus abruptus (Tuomey)
See cf. *Clavilithes abruptus* ? (Tuomey)

Fusinus abruptus ? (Tuomey), Harbison, 1944; Richards, 1950. Not *Fusus abruptus* Tuomey, 1853
See "*Fusinus*" spp.

Fusinus insectoides (Harris) **Fasciolariidae**

Fusus insectoides Harris, 1897a, p. 472, pl. 18, fig. 11
Fusinus insectoides (Harris), Harris and Palmer, 1947, p. 385, pl. 49, figs. 4, 5; Brann and Kent, 1960, p. 397

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type), Town Cr., Jackson. LA.: *Grant Par.*, ½ mi. below ferry, Montgomery Ldg., Red R.

Type.—Holotype, No. 6845 ANSP

Fusinus (Falsifusus) ottonis (Aldrich)
See *Falsifusus ottonis* (Aldrich)

"Fusinus" sp. **Fasciolariidae**

Fusinus abruptus ? (Tuomey), Harbison, 1944, p. 6, pl. 4, fig. 1

Range.—Middle Eocene. Santee ls., upper Claiborne gr.

Locality.—S.C.: *Berkeley Co.*, Santee-Cooper Canal, 17 mi. NW. of Moncks Corner

Type.—Figured specimen, No. 16148 ANSP

"Fusinus" sp. **Fasciolariidae**

Fusinus abruptus ? (Tuomey), Richards, 1950, p. 18

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington

Type.—Unfigured specimen, ANSP

"Fusinus" sp. **Fasciolariidae**

Fusinus sp. Kellum, 1926, p. 29, pl. 6, fig. 2

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353285 USNM

Fusitoma sipha (Aldrich) **Turridae**

Fusus siphus Aldrich, 1895b, p. 12, pl. 3, fig. 2
Fusus (?) *siphus* Aldrich, Cossmann, 1895, Rev. Bibl. Année, p. 35, *fide* Harris, 1899a
Pleurotoma ? *sipha* (Aldrich), Harris, 1899a, p. 19, pl. 2, fig. 10; Le Blanc, 1942$^+$, p. 153, pl. 19, figs. 6, 7 as *siphus;* Brann and Kent, 1960, p. 718
Fusitoma sipha (Aldrich), Casey, 1904, pp. 161-163; Cossmann, 1906b, p. 223; Wenz, 1943, p. 1465

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr. (Le Blanc)

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type). LA.: *Sabine Par.*, N. bank La Nana Bayou on section line between sec. 29 and 30, T. 7 N., R. 11 W. (Le Blanc)

Type.—Holotype, No. 638945 USNM

Fusoficula angelinensis Harris **Ficidae**

Fusoficula angelinensis Harris *in* Van Winkle and Harris, 1919, p. 18, pl. 2, fig. 15; Palmer, 1937, pp. 258, 485, pl. 34, fig. 6 [as *Fusificula sic*] type; Harris and Palmer, 1947, p. 327, pl. 42, fig. 3 holotype; Brann and Kent, 1960, p. 397

Range.—Middle Eocene. Claiborne gr. (type). See Palmer, 1937, p. 485 and Harris and Palmer, 1947, p. 456

Locality.—TEXAS: *Angelina Co.*, Angelina R., 2 mi. above Marion (type)

Type.—Holotype, No. 1414 PRI

Fusoficula juvenis (Whitfield)
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)
See also *Priscoficus (Fulguroficus)* sp. Paleocene

Fusoficula juvenis (Whitfield), Clark and Martin, 1901. Not Whitfield, 1865
See *Priscoficus (Fulguroficus)* spp.

Fusoficula texana (Harris)
See *Ficopsis texana* (Harris)

Fusus abruptus Tuomey
See cf. *Clavilithes abruptus* (Tuomey)

Fusus acutus I. Lea
See *Streptochetus limulus* (Conrad)

Fusus altilis Conrad
See *Papillina altilis* (Conrad)

Fusus (Clavifusus) altilis (Conrad), de Gregorio, 1890 in part. Not Conrad, 1833c
See *Papillina staminea* (Conrad)

Fusus angularis Whitfield
See cf. *Latirus angularis* (Whitfield)

Fusus apicalis Johnson
See *Falsifusus* ? *apicalis* (Johnson)

Fusus bastropensis Harris
See *Falsifusus bastropensis* (Harris)

Fusus bellanus Harris
See *Levifusus bellanus* (Harris)

Fusus bellus Conrad
See *Penion bellus* (Conrad)

Fusus bellus Conrad, de Gregorio, 1890
See *Penion bellus* (Conrad),
See also *Penion gracilis* (Aldrich)
See also *Penion bellus leai* (Palmer)
See also *Latirus (Dolicholatirus) tombigbeensis* (Aldrich)

Fusus bellus crebrissimus I. Lea
See *Penion crebrissimus* (I. Lea)

Fusus bellus var. *magnocostatus* I. Lea
See *Penion bellus* (Conrad)

Fusus bellus var. *tupus* de Gregorio
See *Penion bellus* (Conrad)

Fusus bicarinatus I. Lea
See *Levifusus trabeatus* (Conrad)

Fusus Boettgeri Meyer
See *Tritonoatractus pearlensis* (Aldrich)

Fusus claibornensis I. Lea, 1833, p. 19 *nomen nudum. Fide* Palmer, 1937, p. 368

Fusus conjunctus Deshayes var. *pachyleurus* de Gregoria. Not *F. conjunctus* Deshayes, 1835a, p. 527
See *Clavilithes pachyleurus* (Conrad)

Fusus Conybearii I. Lea
See "*Streptochetus*" *conybearii* (I. Lea)

Fusus Cooperi Conrad
See "*Papillina*" *cooperi* (Conrad)

Fusus crebrissimus I. Lea
See *Penion crebrissimus* (I. Lea)

Fusus (Levifusus) Dalli [*sic*] Harris, Cossmann, 1901b, p. 14 *nomen nudum.* Incorrect spelling for *dalei*
See *Levifusus dalei* Harris

"Fusus decisus" Conrad **Fasciolariidae**

Fusus decisus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); Harris, 1895b, p. 15
Cerithium decisum (Conrad), Conrad, App. *in* Morton, 1834, p. 5; d'Orbigny, 1850, p. 368
Sipho (Neptunea) decisa (Conrad), Conrad, 1865a, p. 17
Fusus Neptunea) decisus Conrad, de Gregorio, 1890, p. 83
"*Fusus*" *decisus* Conrad, Palmer, 1937, p. 366 doubtful species

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Missing Moore, 1962, p. 52

Fusus decussatus I. Lea
See *Lirofusus thoracius* (Conrad)

Fusus Delabechii I. Lea
See *Penion delabechii* (I. Lea)

Fusus (Papillina) dumosus (Conrad)
See *Papillina dumosa* (Conrad)

Fusus (Papillina) dumosus (Conrad), Harris *in* Lerch, 1892. Not Conrad *in* Wailes, 1854
See *Papillina dumosa trapaquara* Harris

Fusus (*Hemifusus* ?) *engonatus* Heilprin
See *Surculites engonatus* (Heilprin)

Fusus (Neptunea) enterogramma Gabb, de Gregorio, 1890, p. 83
See *Bolis enterogramma* (Gabb)

Fusus (Neptunea ?) Eocenicus Whitfield
See *Papillina eocenica* (Whitfield)

"Fusus explicatus" Conrad **Fasciolariidae**

Fusus explicatus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); H. C. Lea, 1849, p. 100; Conrad, 1865a, p. 16; de Gregorio, 1890, p. 82; Harris, 1895b, p. 19

"Fusus" explicatus Conrad, Palmer, 1937, p. 366 species not figured by Conrad

Range.—Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Lost, Moore, 1962, p. 60

Fusus Fittonii I. Lea
See *Mazzalina inaurata* (I. Lea)

Fusus Fittoni [Lea] Owen, 1860. Not [I. Lea], 1833
See *Mazzalina inaurata oweni* Dall

Fusus harrisi Aldrich
See cf. *Pseudoneptunea harrisi* (Aldrich)

Fusus (Neptunea ?) Hector Whitfield
See *Falsifusus hector* (Whitfield)

Fusus (Neptunea ?) Hector var. *multilineatus* Whitfield
See *Falsifusus hector multilineatus* (Whitfield)

Fusus (Strepsidura) heilprini de Gregorio
See *Strepsidura heilprini* de Gregorio

Fusus houstonensis Johnson
See *Falsifusus houstonensis* (Johnson)

Fusus hubbardanus Harris
See cf. *Clavilithes hubbardanus* (Harris)

Fusus (Levifusus) hubbardi Harris
See *Levifusus ? hubbardi* Harris

Fusus inauratus Conrad
See *Mazzalina inaurata* (Conrad)

Fusus (Bulbifusus) inauratus Conrad, de Gregorio, 1890 in part. Not Conrad, 1833c
See *Leiorhinus prorutus* (Conrad)

Fusus (Levifusus) indentus Harris
See *Orthosurcula indenta* (Harris)

Fusus insectoides Harris
See *Fusinus insectoides* (Harris)

Fusus interstriatus Heilprin
See *Latirus (Dolicholatirus ?) interstriatus* (Heilprin)

Fusus ? *interstriatus* Heilprin, Clark and Martin, 1901. Not *Fusus interstriatus* Heilprin, 1881
See *Latirus (Dolicholatirus)* sp. or spp.

Fusus interstriatus Heilprin "var.", Harris, 1899a
See *Latirus (Dolicholatirus* ?) *interstriatus* Heilprin subsp.

Fusus (Neptunea) irrasus (Conrad)
See *Levifusus irrasus* (Conrad)

Fusus jacksonensis de Gregorio
See *Papillina dumosa* (Conrad)

Fusus limulus Conrad
See *Streptochetus limulus* (Conrad)

Fusus limulus Conrad, de Gregorio, 1890, p. 85 in part, pl. 7, fig. 16 only
See "*Streptochetus*" *conybearii* (I. Lea)

Fusus longaevis [*sic*] *in* W. B. Rogers, 1835; Rogers and Rogers, 1837
See *Clavilithes* sp.

Fusus ludovicianus Johnson
See *Falsifusus ludovicianus* (Johnson)

Fusus magnocostatus I. Lea
See *Penion bellus* (Conrad)

Fusus marnochi Heilprin
See "*Pusionella*" *marnochi* (Heilprin)

Fusus meyeri Aldrich
See *Falsifusus ottonis* (Aldrich)
See also *Falsifusus harrisi* Le Blanc

Fusus meyeri Aldrich "var.", Harris, 1896
See *Falsifusus harrisi* Le Blanc

Fusus minax (Brander), Lamarck, 1822; Deshayes, 1835a
See *Cornulina minax* (Solander)

Fusus minor I. Lea
See *Leiorhinus prorutus* (Conrad)

Fusus mohri Aldrich
See cf. *Papillina mohri* (Aldrich)

Fusus montgomeriensis Vaughan
See *Tritonoatractus pearlensis montgomeriensis* (Vaughan)

Fusus mortoni I. Lea
See *Levifusus mortoni* (I. Lea)

Fusus mortoni var. *carexus* Harris
See *Levifusus mortoniopsis carexus* (Harris)

Fusus mortoni Lea "var." near *carexus* Harris
See *Tritonoatractus pearlensis montgomeriensis* (Vaughan)

Fusus mortoni mortoniopsis Gabb
See *Levifusus mortoniopsis* (Gabb)

Fusus mortoniopsis Gabb
See *Levifusus mortoniopsis* (Gabb)

Fusus (Urosalpinx) multicostatus Heilprin
See cf. *Penion multicostatus* (Heilprin)

Fusus nanus I. Lea
See *Cochlespirella nana* (I. Lea)

Fusus nanus I. Lea ?, Meyer, 1886b, pp. 75, 76. Not *Microdrillia infans* (Meyer) Oligocene
See *Cochlespirella nana* (I. Lea)

Fusus newtonensis Meyer and Aldrich
See "*Siphonalia*" *newtonensis* (Meyer and Aldrich)

Fusus ornatus I. Lea
See *Streptochetus limulus* (Conrad)

Fusus ostrarupis Harris
See *Latirus ostrarupis* (Harris)

Fusus ottonis Aldrich
See *Falsifusus ottonis* (Aldrich)
See also *Falsifusus harrisi* Le Blanc

Fusus pachyleurus Conrad
See *Clavilithes pachyleurus* (Conrad)

Fusus pagodaeformis Heilprin, 1891a. Not Heilprin, 1881
See *Levifusus* spp.

Fusus pagodiformis Heilprin, 1881
See *Levifusus* ? *pagodiformis* (Heilprin)

Fusus papillatus Conrad
See *Papillina papillata* (Conrad)

Fusus parvus I. Lea
See *Leiorhinus prorutus* (Conrad)

Fusus paucicostatus Whitfield
See *Clavilithes paucicostatus* (Whitfield)

Fusus pearlensis Aldrich
See *Tritonoatractus pearlensis* (Aldrich)

Fusus ? *Penrosei* Heilprin
See *Clavilithes penrosei* (Heilprin)

Fusus (Exilia) pergracilis Conrad
See *Exilia pergracilis* Conrad

Fusus perlatus Conrad
See *Siphonalia perlata* (Conrad)

Fusus perobesus Whitfield
See cf. *Latirus perobesus* (Whitfield)

Fusus perobliquus Johnson
See "*Falsifusus*" *perobliquus* (Johnson)

Fusus (Bulbifusus) plenus Aldrich
See *Mazzalina plena* (Aldrich)

Fusus pleuricostatus Whitfield. Also *F. pluricostatus* [*sic*] Whitfield
See *Latirus pleuricostatus* (Whitfield)

Fusus prorutus Conrad
See *Leiorhinus prorutus* (Conrad)

"Fusus proscissus" Conrad **Fasciolariidae**

Fusus proscissus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); H. C. Lea, 1849, p. 100; Harris, 1895b, p. 37 type lost; Palmer, 1937, p. 366

Range.—Middle Eocene. Supposedly Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, supposedly Claiborne Bluff, Alabama R. (type)

Type.—Holotype, missing Moore, 1962, p. 90

Fusus protextus Conrad
See *Clavilithes* ? *protextus* (Conrad)

Fusus protractus Conrad *in* Cossmann, 1901b, p. 42 *nomen nudum*

Fusus pulcher I. Lea
See *Exilifusus thalloides* (Conrad)

Fusus quercollis Harris
See *Fulgurofusus quercollis* (Harris)

"Fusus rannelloides" Conrad **Fasciolariidae**

Fusus rannelloides Conrad, 1833c, p. 43; (Harris reprint, 1893, p. 69); Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 38; Palmer, 1937, p. 367

Range.—Middle Eocene. Supposedly Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, supposedly Claiborne Bluff, Alabama R. (type)

Type.—Holotype, missing Moore, 1962, p. 92

Fusus raphanoides Conrad
See *Clavilithes raphanoides* (Conrad)

Fusus regularoides Aldrich
See *Levifusus regularoides* (Aldrich)

Fusus rugatus Aldrich
See *Fulgurofusus rugatus* (Aldrich)

Fusus salebrosus Conrad
See *Clavilithes* ? *protextus* (Conrad)

Fusus serratus var. *meyeri* Aldrich
See *Falsifusus ottonis* (Aldrich)

Fusus sexangulus Conrad
See *Murex (Phyllonotus) engonatus* Conrad

Fusus siphus Aldrich
See *Fusitoma sipha* (Aldrich)

Fusus spiniger Conrad, Tuomey, 1858, p. 265 Eocene; Meyer, 1885a, p. 468 incorrectly listed as Claibornian. It is Vicksburg and should be interchanged with "*Fusus*" *altilis* Conrad, *fide* Palmer, 1937, p. 367.

Fusus (Neptunea ?) staminea Conrad, Whitfield, 1892. Not Conrad, 1833c
See cf. *Papillina* sp.

Fusus stamineus Conrad
See *Papillina staminea* (Conrad)

Fusus subfilosus Aldrich
See cf. *Falsifusus subfilosus* (Aldrich)

Fusus (Neptunea) submortonii (Gabb), Conrad, de Gregorio, 1890, p. 83 is *nomen nudum*

Fusus (Strepsidura) subscalarinus Heilprin. Not d'Orbigny, "1847" [1850]
See *Strepsidura heilprini* de Gregorio

Fusus subtenuis Heilprin
See cf. *Lirofusus subtenuis* (Heilprin)

Fusus (?) *subtenuis* Heilprin, Clark and Martin, 1901 in part
See cf. *Lirofusus* sp.

Fusus (Levifusus) suteri Aldrich
See *Levifusus suteri* Aldrich

"Fusus symmetricus" Conrad **Fasciolariidae**

Fusus symmetricus Conrad, 1834, p. 144; Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 44; Palmer, 1937, p. 367

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Missing, Moore, 1962, p. 101

Fusus Taitii I. Lea
See *Cornulina armigera* (Conrad)

Fusus thalloides Conrad
See *Exilifusus thalloides* (Conrad)

Fusus thoracicus Conrad
See *Lirofusus thoracicus* (Conrad)

Fusus (Lirofusus) thoracicus mut. *bicarinatus* I. Lea, de Gregorio, 1890
See *Levifusus trabeatus* (Conrad)

Fusus tombigbeensis Aldrich
See *Latirus (Dolicholatirus ?) tombigbeensis* (Aldrich)

Fusus tortilis Whitfield
See *Latirus tortilis* (Whitfield)

Fusus trabeatus Conrad
See *Levifusus trabeatus* (Conrad)

Fusus (Levifusus) trabeatus Conrad, Aldrich, 1886; Clark, 1895, 1896. Not Conrad, 1833b
See *Levifusus* spp.

Fusus trabeatus Conrad, Heilprin, 1891a. Not Conrad, 1833b
See *Michela trabeatoides* (Harris)

Fusus trivolvus Gabb
See *Perissolax trivolvus* (Gabb)

Fusus (Bulbifusus) Tuomeyi Aldrich
See *Mazzalina tuomeyi* (Aldrich)

Fusus unicarinatus Deshayes, Cossmann, 1893. Not Deshayes, 1835a
See *Falsifusus ottonis* (Aldrich)

Fusus venustus I. Lea
See *Raphitoma (Microsurcula) venusta* (I. Lea)

Fusus whitfieldi Aldrich
See *Pleurotomella whitfieldi* (Aldrich)

"Fusus" sp. **Fasciolariidae**

Fusus n. sp. Tuomey, 1858, p. 269

Range.—Lower Eocene. Nanafalia fm., lower Wilcox [Sabine] gr.
Locality.—ALA.: *Marengo Co.*, Nanafalia Bluff, Tombigbee R.
Type.—Unknown

Fusus sp. Clark, 1896, [no page], pl. 11, fig. 5
See *Levifusus* sp.

Fusus sp. Clark, 1896, p. 67
See cf. *Cantharus* sp.

Fusus sp. Owen, 1860
See *Mazzalina inaurata oweni* Dall

Galeodaria petersoni (Conrad)
See *Galeodea petersoni* (Conrad)

Galeodea dubia (Aldrich) **Cassidae** (Cassididae)*

Cassidaria dubia Aldrich, 1885a, p. 153, pl. 3, fig. 21; Aldrich, 1886, p. 33, pl. 1, fig. 21; de Gregorio, 1890, p. 100, pl. 7, fig. 52 copy Aldrich; Cossmann, 1893, p. 32; Harris, 1899a, p. 68; Wrigley, 1934, p. 128 ? = *brevidentata* Aldrich
Galeodea dubia (Aldrich), Palmer, 1937, p. 252, pl. 31, fig. 7 copy Aldrich, fig. 8; Gardner, 1939a, p. 21

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; cf. Weches fm. (Harris), middle Claiborne gr.
Localities.—ALA.: *Clarke Co.*, Bashi Creek near Woods Bluff (type). Cf. TEXAS: *Burleson Co.*, Collier's Ferry [Burleson Shell Bluff], Brazos R. (Harris)
Type.—Not in USNM *fide* Wilson, 1964

Galeodea koureos Gardner **Cassidae** (Cassididae)*

Cassidaria brevidentata Aldrich "var." Harris, 1897a, p. 479, pl. 22, fig. 10; Harris, 1899a, p. 67, pl. 8, fig. 18 copy Harris, 1897a; Harris, 1899b, p. 307

Galeodea (Mambrinia) koureos Gardner, 1939a, p. 23; Le Blanc, 1942+, p. 111, pl. 14, figs. 5, 6

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, USGS Sta. 3098, Bells Ldg., Alabama R. (type). TEXAS: *Sabine Co.*, ¼ mi. upstream from bridge over Sabine R. on La. Highway 6. MEXICO: *Nuevo León*, W. of Aldamas (Gardner)

Types.—Holotype, No. 484078 USNM; paratype, No. 484079 USNM Mexico

Galeodea (Gomphopages ?) millsapsi Sullivan and Gardner **Cassidae** (Cassididae)*

Galeodea (Gomphopages ?) millsapsi Sullivan and Gardner *in* Gardner, 1939a, p. 26, pl. 8, figs. 2, 3, 6; Shimer and Shrock, 1944, p. 500, pl. 205, figs. 26-28 copies Gardner, 1939a; Harris and Palmer, 1947, p. 333, pl. 42, figs. 9-11 copies Sullivan and Gardner

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Town Cr., Jackson (type)

Type.—Holotype, No. 496019 USNM

Galeodea petersoni (Conrad) **Cassidae** (Cassididae)*

Morio Petersoni Conrad *in* Wailes, 1854, p. 289, pl. 17 [16], figs. 9a, 9b (reprint, 1939, p. 19, pl. 4, figs. 9a, 9b)

Galeodia [*sic*] *Petersoni* (Conrad), Conrad, 1856a, p. 262 (reprint, 1939, p. 8)

Galeodia [*sic*] *(Galeodaria) Petersoni* (Conrad), Conrad, 1865a, p. 26; Conrad, 1866a, p. 25 *Galeodea*

Doliopsis quinquecosta Conrad, 1865b, p. 141, pl. 10, fig. 15; Tryon, 1885a, p. 258, pl. 5, fig. 32; Dall, 1909, p. 70; Harris and Palmer, 1947, p. 331

Galeodea (Galeodaria) Petersoni (Conrad), Conrad, 1866a, p. 25

Cassidaria Petersoni (Conrad), Harris, 1894b, p. 168; Cossmann, 1903b, p. 131

Galeodea petersoni (Conrad), Schenck, 1926, p. 81, pl. 14, figs. 3, 4; Gardner, 1939a, pp. 21, 23; Harris and Palmer, 1947, p. 329, pl. 42, fig. 1 copy *D. quinquecosta* Conrad, fig. 2 lectotype, fig. 6; Brann and Kent, 1960, p. 400

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr., Jackson; Moodys Branch, Jackson; *Clarke Co.*, Garland Cr., float 2-3 mi. S. of bridge site. TEXAS: *Sabine Co.*, 1 mi. below Robinson' Ferry, Sabine R. ARK.: *Cleveland Co.*, J. N. Marks, 5 mi. SE. Kingsland

Type.—Lectotype, No. 13199 ANSP Moore, 1962, p. 87. Type *Doliopsis quinquecosta* Conrad missing Moore, 1962, p. 92

Galeodea planotecta (Meyer and Aldrich) **Cassidae** (Cassididae)*

Cassidaria planotecta Meyer and Aldrich, 1886, p. 43, pl. 2, fig. 14
Not *Morio planotecta* (Meyer and Aldrich), Johnson, 1899, p. 77, pl. 1, fig. 12 = *G. planotecta* var. *jacksonia* Palmer, 1937, p. 77
Galeodea planotecta (Meyer and Aldrich), Palmer, 1937, p. 252 in part, pl. 31, figs. 14, 17; Gardner, 1939a, pp. 21, 24, pl. 7, figs. 1, 2, Mexican figs. 10, 15; Harris and Palmer, 1947, p. 332; Brann and Kent, 1960, p. 400

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R. (type); Hickory. Cf. TEXAS: *Bastrop Co.*, Smithville; *Sabine Co.*, Sabine R., SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., opposite Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129). LA.: *Sabine Par.*, Columbus; Fisher; *Winn Par.*, about 10 mi. NW. Winnfield; *Ouachita Par.*, Lapaniere Ldg., E. bank Ouachita R.; Brewer's well 1200 ft., Monroe
Types.—Syntypes, No. 638738 USNM (2 specimens)

Galeodea planotecta jacksonia Palmer **Cassidae** (Cassididae)*

Morio planotecta (Meyer and Aldrich), Johnson, 1899, p. 77, pl. 1, fig. 12. Not Meyer and Aldrich, 1886, p. 43
Galeodea planotecta (Meyer and Aldrich), Palmer, 1937, p. 252 in part
Galeodea planotecta jacksonia Palmer *in* Harris and Palmer, 1947, p. 331, pl. 42, fig. 14; Brann and Kent, 1960, p. 400

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson, Town Cr. (type)
Types.—Holotype, No. 7084 ANSP; paratype, No. 4641 PRI

Galeodea (Gomphopages) turneri Gardner **Cassidae** (Cassididae)*

Galeodea (Gomphopages) turneri Gardner, 1939a, p. 25, pl. 8, figs. 1, 4

Range.—Middle Eocene. Mt. Selman fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, USGS Sta. 13808, bend of Colorado R., 3 mi. above old Burleson Ferry
Type.—Holotype, No. 495184 USNM

Galeodea (Mambrinia), n. sp. **Cassidae** (Cassididae)*

Cassidaria carinata (Lamarck) Whitfield, 1892, p. 224, pl. 34, figs. 18-22; Whitfield, 1899, p. 168. Not Lamarck, 1822, p. 217 *Cassis*

Range.—Middle Eocene. Shark R. ml., upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R.
Types.—Figured specimens, No. 9757/1 AMNH

Galeodea ? sp. **Cassidae** (Cassididae)*

Galeodea ? sp., Le Blanc, 1942⁺, p. 113

Range.—Paleocene. "Logansport fm." [preoccupied], middle Midway gr.
Locality.—LA.: *Natchitoches Par.*, cultivated field N. farmhouse NE. ¼ NW. ¼ sec. 34, T. 10 N., R. 10 W. on La. Highway 404 and 429, about 4½ mi. S. Ajax
Type.—Unfigured specimen, No. 3425 LSU Pal. Mus.

Galeodea sp. **Cassidae** (Cassididae)*

Morio brevidentata (Aldrich), Clark and Martin, 1901, p. 144, pl. 24, fig. 7. Not *Cassidaria brevidentata* Aldrich, 1885a, p. 152 Oligocene

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Charles Co.*, 1 mi. SE. Mason Springs. VA : *King George Co.*, 2 mi. below Potomac Creek
Type.—Figured specimen, USNM

Galeodia
See *Galeodea*

Galeodosconsia nupera (Conrad)
See *Doliocassis nupera* (Conrad)

Gastridium vetustum (Conrad)
See *Pseudoliva vetusta* (Conrad)

Gastridium vetustum (Conrad), Conrad *in* Wailes, 1854. Not Conrad, 1833c
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Gaza ? aldrichiana Harris
See *Solariella aldrichiana* (Harris)

Gegania antiquata (Conrad) **Mathildidae**

Littorina antiquata Conrad, 1833b, p. 35, not illus. as indicated in text (Harris reprint, 1893, p. 57); H. C. Lea, 1849, p. 100; Harris, 1895b, p. 5

Tuba alternata I. Lea, 1833, p. 128, pl. 4, fig. 118; H. C. Lea, 1849, p. 106; Cossmann, 1888a, p. 312; Cossmann, 1893, p. 30; Harris, 1895b, p. 4 = *Littorina antiquata* Conrad; Cossmann, 1912b, pp. 13, 14, pl. 1, fig. 17

Not *Tuba striata* I. Lea, 1833, p. 128, pl. 4, fig. 117 = *T. antiquata striata* I. Lea

Not *Tuba sulcata* I. Lea, 1833, p. 129, pl. 4, fig. 119 = *Ranellina maclurii* (Conrad), young

Meleagris antiquatus (Conrad), Conrad, App. *in* Morton, 1834, p. 4

Tuba antiquata (Conrad), Conrad, 1865a, p. 34 in part; Dall, 1892, p. 320 in part under *T. striata* I. Lea; not Aldrich, 1897a, p. 7, pl. 4, fig. 7 = *Gegania* sp.; Harris, 1899a, p. 77 in part, not pl. 10, fig. 12 = *Gegania* sp.; Cossmann, 1912b, p. 14; Palmer, 1937, p. 90 in part, pl. 9, figs. 12, 13; pl. 79, fig. 17 holotype *T. alternata* I. Lea, fig. 19 type *T. antiquata* Conrad; Le Blanc, 1942⁺, p. 86 in part, not pl. 16, figs. 5, 6 = *Gegania* sp.; Brann and Kent, 1960, p. 883

Fossarus (Tuba) alternata I. Lea, Tryon, 1883b, p. 245, pl. 69, fig. 43

Turbo (Tuba) antiquata (Conrad), de Gregorio, 1890, p. 142 in part, pl. 13, fig. 16 copy Conrad; not fig. 15 copy *T. striata* = *T. antiquata striata;* not fig. 18 copy *T. sulcata* = *Ranellina maclurii* (Conrad)

Gegania [*antiquata*] (Conrad), Harris and Palmer, 1947, p. 235

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. and about 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseley's Ferry (Stone City Bluff), Brazos R.
Types.—Lectotype + 1 specimen, No. 30551 ANSP, Moore, 1962, p. 39. Holotype *T. alternata* I. Lea, No. 5659 ANSP

Gegania antiquata striata (I. Lea) **Mathildidae**

Tuba striata I. Lea, 1833, p. 128, pl. 4, fig. 117; Cossmann, 1893, p. 30; Cossmann, 1912b, p. 14; Harris, 1895b, p. 43

Turbo (Tuba) antiquata (Conrad), de Gregorio, 1890, p. 142 in part, pl. 13, fig. 15 copy *T. striata* I. Lea

Tuba antiquata striata I. Lea, Palmer, 1937, p. 91, pl. 9, figs. 15-18; pl. 79, fig. 8 type; Brann and Kent, 1960, p. 886

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.; Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. and about 6 mi. WNW. Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Type.—Holotype, No. 5658 ANSP

Gegania antiquata texana (Palmer) **Mathildidae**

Tuba (Littorina) antiquata Conrad, Heilprin, 1891a, p. 400 (probably in part)

Tuba antiquata var. *texana* Harris, 1893 Texas ms.; Kennedy, 1895, p. 123 *nomen nudum*

Tuba antiquata texana Palmer, 1937, p. 92, pl. 9, figs. 8, 9; Brann and Kent, 1960, pp. 886, 887

Gegania texana (Palmer), Gardner, 1945, p. 150 Mexico

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type). MEXICO: See Gardner, 1945

Types.—Holotype, No. 2743; paratypes, Nos. 2744, 2745 PRI

Gegania cancellata (H. C. Lea)
See *Acrocoelum cancellatum* (H. C. Lea)

Gegania marylandica (Clark and Martin) **Mathildidae**

Tuba marylandica Clark and Martin, 1901, p. 155, pl. 29, fig. 2; Palmer, 1937, p. 94

Range.—Paleocene. Aquia fm. (type). Lower Eocene. Nanjemoy fm.

Localities.—VA.: *Prince George Co.*, mouth of Paspotansa Creek (type). Cf. MD.: *Charles Co.*, 1 mi. SE. of Mason Springs; Popes Creek

Type.—Holotype, USNM

Gegania sp. **Mathildidae**

Tuba antiquata (Conrad), Aldrich, 1897a, p. 7, pl. 4, fig. 7 not *T. antiquata* (Conrad); Harris, 1899a, p. 77 in part, pl. 10, fig. 12 copy Aldrich, 1897a; Palmer, 1937, p. 91 in part; cf. Le Blanc, 1942+, p. 86, pl. 12, figs. 5, 6

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clark Co.*, Woods Bluff, Tombigbee R.; Choctaw Corner

Type.—Figured specimen, No. 638975 USNM

Gemmula (Coronia) acutirostra (Conrad)
See *Coronia childreni* (I. Lea)

Gemmula alternata (Conrad)
See *Coronia ? alternata* (Conrad)

Gemmula carodenta Harris
See *Coronia carodenta* (Harris)

Gemmula (?) *casteri* Harris
See *Coronia ? casteri* (Harris)

Gemmula childreni (I. Lea)
See *Coronia childreni* (I. Lea)

Gemmula (Coronia) childreni (I. Lea) "var."
See *Coronia childreni* (I. Lea) "var."

Gemmula childreni acutirostra (Conrad)
See *Coronia childreni* (I. Lea)

Gemmula (Coronia) childreni conjuncta Casey
See *Coronia conjuncta* (Casey)

Gemmula childreni montgomeryensis Harris
See *Coronia montgomeryensis* (Harris)

Gemmula childreni novoppidi Harris
See *Coronia childreni novoppidi* (Harris)

Gemmula conjuncta Casey
See *Coronia conjuncta* (Caesy)

Gemmula coraliger Harris
See *Coronia coraliger* (Harris)

Gemmula genitiva Casey
See *Coronia genitiva* (Casey)

Gemmula (Coronia) genitiva Casey "var."
See *Coronia genitiva* (Casey) "var."

Gemmula lancea Casey
See *Coronia lancea* (Casey)

Gemmula lerchi (Vaughan)
See *Coronia lerchi* (Vaughan)

Gemmula ludocarola Harris
See *Coronia ludocarola* (Harris)

Gemmula (Coronia ?) ludonorma Harris
See *Coronia ? ludonorma* (Harris)

Gemmula ludoviciana (Vaughan)
See *Infracoronia ludoviciana* (Vaughan)

Gemmula ludoviciana normani Harris
See *Infracoronia ludoviciana normani* (Harris)

Gemmula margaritosa Casey
See *Coronia margaritosa* (Casey)

Gemmula (Coronia) mediavia (Harris)
See *Coronia mediavia* (Harris)

Gemmula (Coronia) montgomeryensis Harris
See *Coronia montgomeryensis* (Harris)

Gemmula (Coronia) nodulina Casey
See *Coronia nodulina* (Casey)

Gemmula (Coronia) nodulina Casey "var."
See *Coronia nodulina* (Casey) "var."

Gemmula (Coronia) nodulina bunkerensis Harris
See *Coronia nodulina bunkerensis* (Harris)

Gemmula nucleata Casey
See *Coronia nucleata* (Casey)

Gemmula obsolescens Casey
See *Coronia obsolescens* (Casey)

Gemmula ouachitensis Harris
See *Coronia nodulina ouachitensis* (Harris)

Gemmula parvidens Casey
See *Coronia parvidens* (Casey)

Gemmula (?) plentopsis Harris
See *Coronia ? plentopsis* (Harris)

Gemmula sublerchi Harris
See *Coronia sublerchi* (Harris)

Gemmula (Coronia) weisbordi Harris
See *Coronia weisbordi* (Harris)

Gemmula wateletella Harris
See *Coronia wateletella* (Harris)

Genota exilloides (Aldrich)
See *Sullivania exilloides* (Aldrich)

Genota Lesseuri [*sic*] (I. Lea)
See *Eosurcula lesueurii* (I. Lea)

Genotia [*sic*] *(Pseudotoma) Heilprini* (Aldrich)
See *Pseudotoma heilprini* (Aldrich)

Gibberula larvata (Conrad)
See *Bullata larvata* (Conrad)

Gibberula plicata (I. Lea)
See *Bullata plicata* (I. Lea)

Gibberula semen (I. Lea)
See *Bullata semen* (I. Lea)

Gibberula semenoides (Gabb)
See *Bullata semenoides* (Gabb)

Gibborissoa varicifer (Cossmann)
See *Alaba varicifer* (Cossmann)

Gibbula glandula (Conrad)
See *Monodonta ? glandula* Conrad

Gibbula micromphalus Cossmann
See *Norrisia (Norrisiella) micromphala* (Cossmann)

Gilbertia estellensis Aldrich
See *Gilbertina estellensis* (Aldrich)

Gilbertina estellensis (Aldrich) **Ringiculidae**

Gilbertia estellensis Aldrich, 1921, p. 13, pl. 2, fig. 6 [not fig. 7 as given in text]

Range.—Paleocene. Sucarnoochee cl. (type), Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, 3 mi. S. of Estelle (type)

Type.—Holotype, No. 2 GSATC

Gilbertina texana Gardner **Ringiculidae**

Gilbertina texana Gardner, 1935, p. 212, pl. 20, figs. 8, 9

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.; Wills Point fm., upper Midway gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R., 1½ mi. below Travis-Bastrop County line (type). For further localities see Gardner, 1935, p. 213, USGS Stations 12112, 11890, 12113, 12110

Type.—Holotype, No. 370983 USNM

Girodes [*sic*]
See *Gyrodes*

Girodes [*sic*] *alabamiensis* Whitfield
See *Lacunaria alabamiensis* (Whitfield)

Girodes alabamiensis Whitfield, Harris, 1896. Not Whitfield, 1865
See *Lacunaria* sp.

Gisortia harrisi Palmer **Gisortiidae**

Gisortia harrisi Palmer, 1957, p. 70, pl. 9, figs. 1-3

Range.—Upper Eocene. Crystal R. fm. (type), upper Ocala gr.

Localities.—FLA.: *Marion Co.*, Dixie Lime Products Co. quarry, Redick (type); Florida Lime Co., No. 1 Ocala (paratype); *Sumter Co.* Sumter Company Rock Co., near Sumterville; *Levy Co.*, limestone pit near Williston; Cornell and Schultz mine, Williston; *Gilchrist Co.*, 1.9 mi. S. of Suwannee R. bridge Highway 49; *Alachua Co.*, Newberry Corp. pits SW. ½, SE. ¼, sec. 13, T. 9 S., R. 17 E.

Types.—Holotype, No. 22891 PRI; paratype, No. I-2306 Fla. Geol. Sur.

Gladius trinodiferus (Conrad)
See *Calyptraphorus trinodiferus* (Conrad)

Gladius velatus (Conrad)
See *Calyptraphorus velatus* (Conrad)

Globularia morgani (Johnson) **Ampullospiridae**

Ampullina morgani Johnson, 1899, p. 80, pl. 2, fig. 12
Globularia morgani (Johnson), Stewart, 1927, p. 330; Harris and Palmer, 1947, p. 255, pl. 30, figs. 11, 12; Brann and Kent, 1960, p. 419

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Town Cr., Jackson (type)
Type.—Holotype, No. 7440 ANSP

Glossaulax limula (Conrad)
See *Neverita limula* (Conrad)

Glyphis altior (Meyer and Aldrich)
See *Puncturella (Altrix) altior* (Meyer and Aldrich)

Glyphostoma harrisi Aldrich
See *Microdrillia harrisi* (Aldrich)

Glyptostyla bacula (Aldrich) ? **Buccinidae (Strepturidae)**

Turbinella baculus Aldrich, 1886, p. 27, pl. 6, figs. 2, 2a; de Gregorio, 1890, p. 71, pl. 6, fig. 2 copy Aldrich, figs. 2a, 2b
Turbinella (Glyptostyla ?) baculus Aldrich, Harris, 1899a, p. 46, pl. 6, fig. 2; Brann and Kent, 1960, p. 887
Glyptostyla bacula (Aldrich), Cossmann, 1901b, p. 135

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R.
Type.—Holotype, No. 638772 USNM

Glyptotoma aldrichiana in Harris, 1937, p. 24 *nomen nudum* labeled specimen by Casey in collection No. 481607 USNM *fide* Harris, 1937, p. 24
See *Glyptotoma conradiana* (Aldrich), Harris, 1937, pl. 4, fig. 1a

Glyptotoma conradiana (Aldrich) **Turridae**

Borsonia (Scobinella) conradiana Aldrich, 1895b, p. 8, pl. 1, fig. 13
Glyptotoma conradiana (Aldrich), Casey, 1904, p. 141; Glibert, 1960b, p. 72
Bathytoma (Glyptotoma) conradiana (Aldrich), Harris, 1937, p. 23, pl. 3, figs. 31, 32 "var. ?", pl. 4, fig. 1 copy Aldrich, fig. 1a Casey specimen; Brann and Kent, 1960, p. 117 ? *conradiana*

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Robertson Co.*, Wheelock (type)
Type.—Holotype, No. 638930 USNM

Glyptotoma crassiplicata (Gabb) Pl. 5, fig. 14 **Turridae**

Scobinella crassiplicata Gabb, 1860d, p. 380, pl. 67, fig. 19; Heilprin, 1891a, p. 395; Kennedy, 1895, p. 122
Scobinella ? crassiplicata Gabb, Conrad, 1865a, p. 20; Conrad, 1866a, p. 18

Glyptotoma crassiplicata (Gabb), Casey, 1904, p. 141; Cossmann, 1906b, p. 220; Wenz, 1943, p. 1416, fig. 4001 type designation for genus; Gardner, 1945, p. 248 type designation but Wenz has priority
Bathytoma (Glyptotoma) crassiplicata (Gabb), Harris, 1937, p. 23, pl. 3, figs. 27-30; Brann and Kent, 1960, p. 118

Type species of *Glyptotoma* de Gregorio, 1890 *Scobinella crassiplicata* = *Bathytoma (Glyptotoma) crassiplicata* (Gabb) designation Harris, 1947, p. 425 is not a definite type designation. Wenz, 1943 clarified the situation with a designation.

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Wheelock mem., Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: Gabb's type either *Robertson Co.*, Wheelock (type *fide* Gardner) or "Caldwell Co." "Caldwell Co." = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, pp. 10, 11). LA.: *Sabine Pa.*, Sabine R. near Columbus (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)
Type.—Holotype, No. 13282 ANSP

Glyptotoma crassiplicata montgomeryensis Harris **Turridae**

Bathytoma (Glyptotoma) crassiplicata montgomeryensis Harris, 1937, p. 23, pl. 3, fig. 26; Harris and Palmer, 1947, p. 425, pl. 58, fig. 18 holotype; Brann and Kent, 1960, p. 118

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 2409 PRI

Glyptotoma fisherana Harris **Turridae**

Bathytoma (Glyptotoma) fisherana Harris, 1937, p. 24, pl. 4, fig. 2; Brann and Kent, 1960, p. 118

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Fisher (type)
Type.—Holotype, No. 2414 PRI

Glyptotoma parvula Casey **Turridae**

Glyptotoma parvula Casey, 1904, p. 141
Bathytoma (Glyptotoma) parvula Casey, Harris, 1937, p. 24, pl. 3, fig. 34 syntype

Range.—"Lower Claiborne Eocene" (type)
Locality.—TEXAS: (Casey) (type)
Types.—Syntypes, No. 494356 USNM

Gomphopages ? millsapsi Sullivan and Gardner
See *Galeodea (Gomphopages ?) millsapsi* Sullivan and Gardner

Gomphopages turneri Gardner
See *Galeodea (Gomphopages) turneri* Gardner

Goniobasis ? texana (Heilprin), Dall, 1892; Aldrich, 1895b
See *Texmelanatria angeloi* Gardner

Goniobasis texana (Heilprin), Henderson, 1935 in part
See *Texmelanatria texana* (Heilprin)
See also *Texmelanatria angeloi* Gardner

Goniobasis trigemmata (Conrad)
See *Elimia trigemmata* (Conrad)

Granosolarium meekanum (Gabb)
See *Architectonica (Granosolarium) meekana* Gabb

Granosolarium meekanum splendidum Palmer
See *Architectonica (Granosolarium) meekana splendida* Palmer

Granosolarium meekanum subsplendidum Palmer
See *Architectonica (Granosolarium) meekana subsplendida* Palmer

Granosolarium ornatum (I. Lea)
See *Architectonica (Granosolarium) ornata* (I. Lea)

Granosolarium ornatum jacksonium Palmer
See *Architectonica (Granosolarium) ornata jacksonia* Palmer

Granosolarium sabinium (Palmer)
See *Architectonica (Granosolarium) sabinia* Palmer

Granosolarium sp., Palmer, 1944
See *Architectonica (Granosolarium)* sp.

Gyrineum Maclurii (Conrad)
See *Ranellina maclurii* (Conrad)

Gyrodes (Sigaretopsis) aperta Whitfield. Also as *Girodes*
See cf. *Natica aperta* Whitfield

Gyroscala exquisita (Aldrich)
See *Epitonium exquisitum* (Aldrich)

Gyroscala mcglameriae Palmer
See *Epitonium (Gyroscala) mcglameriae* Palmer

Haminea Aldrichi Langdon
See *Abderospira aldrichi* (Langdon)

Haminea grandis Aldrich
See *Lithophysema grande* (Aldrich)

Haminea mortoni (Forbes) Weller, 1907 in part
See *Cylichna* ( ) *conica* (Whitfield)

? *Harpa dechordata* White
See *Pseudoliva scalina* Heilprin

Harpa (Eocithara) jacksonensis Harris **Harpidae**

Harpa jacksonensis Harris, 1897a, p. 472, pl. 18, fig. 10
Harpa (Eocithara) jacksonensis Harris, Palmer, 1937, p. 398; Harris and Palmer, 1947, p. 397, pl. 56, figs. 19, 20; Brann and Kent, 1960, p. 439

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.,* Jackson (type); Town Cr., Jackson. LA.: *Grant Par.,* ½ mi. below ferry Montgomery Ldg., Red R.

Type.—Holotype, No. 6722 ANSP

Harpa sp. **Harpidae**

Harpa sp. Palmer, 1937, p. 398, pl. 65, fig. 6; Brann and Kent, 1960, p. 440

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.

Locality.—TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par. La. Outcrop 21 (Veatch, 1902, p. 129)

Type.—Figured specimen, No. 3235 PRI

Harrisianella plicifera (Heilprin) **Cerithiidae**

Terebra plicifera Heilprin, 1880, p. 151, fig. 8; Heilprin, 1882c, p. 151; Heilprin, 1884b, p. 38 footnote; Heilprin, 1891a, p. 398; Schuchert, *et al.*, 1905, p. 650

"Terebra" plicifera Heilprin, Aldrich, 1897a, p. 4, pl. 3, figs. 2, 2a

Harrisianella plicifera (Heilprin), Olsson, 1929, p. 20; Harris and Palmer, 1947, p. 302, pl. 39, figs. 11, 12 syntype

"Clava" plicifera (Heilprin), Palmer, 1937, p. 218, pl. 29, fig. 12

Range.—Upper Eocene. Fayette fm. (type), Jackson gr.

Locality.—TEXAS: *Atascosa Co.*, Peeler's Ranch (type)

Types.—Syntypes, No. 8919 USNM

Hastula houstonia (Harris) **Terebridae**

Terebra houstonia Harris, 1895a, p. 55, pl. 3, fig. 11; pl. 4, fig. 11 as "var."; Dall, 1896b, pp. 33, 34; Schuchert, *et al.*, 1905, p. 650 not type material

Terebra polygyra Heilprin, not Conrad, No. 6034 USNM specimen

Hastula houstonia (Harris), Palmer, 1937, p. 471, pl. 72, figs. 12-14; Brann and Kent, 1960, p. 441

Range.—Middle Eocene. Hurricane mem. (type), Landrum lentil, Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Houston Co.*, Hurricane Bayou, Marster's survey, near Crockett (type, Texas Sur. Sta. 62, Harris, 1893 ms.). For additional localities see Harris, 1895a, p. 55

Type.—Holotype, No. 35586 BEG

Hastula sabina Palmer **Terebridae**

Hastula sabina Palmer, 1937, p. 473, pl. 72, figs. 3, 4, 6; Brann and Kent, 1960, p. 441

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Locality.—TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129) (type)

Types.—Holotype, No. 3338; paratype, No. 3337 PRI

"Hastula" venusta (I. Lea) **Terebridae**

Terebra venusta I. Lea, 1833, p. 167, pl. 5, fig. 173; H. C. Lea, 1849, p. 106; Conrad, 1865a, p. 28; Conrad, 1866a, p. 14; de Gregorio, 1890, p. 16, pl. 1, figs. 40, 41; fig. 42 copy Lea; Cossmann, 1893, p. 47; Harris, 1895b, p. 47

Terebra perlata Conrad, App. *in* Morton, 1834, p. 5 not described; d'Orbigny, 1850, p. 369; Dall, 1896b, p. 33 mutation of *T. venusta* I. Lea

? *Terebra mitis* de Gregorio, 1890, p. 18, pl. 1, figs. 52, 53; Dall, 1896b, p. 33 mutation of *T. venusta* I. Lea

Terebra (Hastula) venusta I. Lea, Dall, 1896b, p. 33

Terebra inula de Gregorio, Dall, 1896b, p. 33. Not de Gregorio, 1890, p. 18

"Hastula" venusta (I. Lea), Palmer, 1937, p. 470, pl. 72, figs. 2, 5, 9; Brann and Kent, 1960, p. 441; Glibert, 1960b, p. 109

Range.—Middle Eocene. McBean fm. upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type), S.C.: *Orangeburg Co.*, about 6 mi. WNW. Orangeburg

Type.—Lectotype (broken), No. 5853 ANSP

Haustator alabamiensis (Whitfield)
See *Turritella alabamiensis* (Whitfield)

Haustator alveata (Conrad)
See *Turritella alveata* Conrad

Haustator bellifera (Aldrich)
See *Turritella bellifera* Aldrich

Haustator claibornensis de Gregorio
See *Turritella ghigna* de Gregorio

Haustator claibornensis apita (de Gregorio)
See *Turritella apita* de Gregorio

Haustator claibornensis eterina (de Gregorio)
See *Turritella ghigna* de Gregorio

Haustator claibornensis mela (de Gregorio)
See *Turritella nasuta* Gabb variation

Haustator claibornensis tiga (de Gregorio)
See *Turritella carinata* I. Lea

Haustator clevelandica (Harris)
See *Turritella clevelandica* Harris

Haustator humerosa (Conrad)
See *Turritella humerosa* Conrad

Haustator mortoni (Conrad)
See *Turritella mortoni* Conrad

Haustator nasuta (Gabb)
See *Turritella nasuta* Gabb

Haustator praecincta (Conrad)
See *Turritella praecincta* Conrad

Helcion leanus Gabb
See *Hipponix pygmaeus* I. Lea

Helcion pigmaeus (I. Lea)
See *Hipponix pygmaeus* I. Lea

Hemiacirsa gracilior (Meyer)
See *Acirsa (Hemiacirsa) gracilior* (Meyer)

Hemiacirsa whitneyi Palmer
See *Acirsa (Hemiacirsa) whitneyi* Palmer

Hemifusus engonatus Heilprin
See *Surculities engonatus* (Heilprin)

Hemipleurotoma acutirostra (Conrad)
See *Coronia childreni* (I. Lea)

Hemipleurotoma Beaumonti (I. Lea)
See *Eosurcula beaumonti* (I. Lea)

Hemipleurotoma childreni (I. Lea), Clark and Martin, 1901. Not I. Lea, 1833
See *Coronia* sp.

Hemipleurotoma desnoyersi (I. Lea)
See *Eopleurotoma desnoyersii* (I. Lea)

Hemisinus jacksonius Palmer **Thiaridae (Melaniidae)**

Hemisinus jacksonius Palmer *in* Harris and Palmer, 1947, p. 277, pl. 35, figs. 7-9; Brann and Kent, 1960, p. 451

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; cf. upper Jackson gr. (type)

Localities.—ARK.: *St. Francis Co.*, Crow Creek at bridge, 2 mi. E. of Forrest City (type). LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.

Types.—Holotype, No. 4574; paratype, No. 4575 PRI

Hemisurcula ? fisherensis Harris
See *Sullivania fisherensis* (Harris)

Hemisurcula hicoricola Harris
See cf. *Sullivania hicoricola* (Harris)

Hemisurcula ? perexilis (Aldrich)
See *Sullivania perexilis* (Aldrich)

Hemisurcula roscoei (Harris)
See cf. *Sullivania roscoei* (Harris)

Hemisurcula silicata (Aldrich) **Turridae**

Pleurotoma silicata Aldrich, 1895b, p. 8, pl. 3, fig. 3; Harris, 1899a, p. 21, pl. 2, fig. 13; Harris, 1899b, p. 304, pl. 54, fig. 1 copy Harris, 1899a; Brann and Kent, 1960, p. 718

Hemisurcula silicata (Aldrich), Casey, 1904, p. 150; Cossmann, 1906b, p. 222, type designation *Hemisurcula:* Harris, 1937, p. 66, pl. 11, fig. 22; Le Blanc, 1942^{+}, p. 150, pl. 19, figs. 3, 4; Wenz, 1943, p. 1389, fig. 3926 copy Aldrich; Gardner, 1945, p. 246, pl. 25, figs. 19, 20 holotype; Brann and Kent, 1960, p. 451

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)

Type.—Holotype, No. 644628 USNM

Hemisurcula tombigbeensis (Aldrich)
See *Sullivania tombigbeensis* (Aldrich)

Hesperiturris nodocarinatus (Gabb) **Turridae**

Turris nodocarinata Gabb, 1860d, p. 379, pl. 67, fig. 13

Surcula nodocarinata (Gabb), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18; Heilprin, 1891a, p. 394 in part

Pleurotoma nodo-carinata (Gabb), de Gregorio, 1890, p. 24

Pleurotoma (Drillia) nodocarinata (Gabb), Harris, 1895a, p. 59 in part, pl. 5, fig. 4

Eopleurotoma nodocarinata (Gabb), Casey, 1904, pp. 127, 158; Harris, 1937, p. 34, pl. 5, figs. 19-22; Brann and Kent, 1960, pp. 366, 367; Glibert, 1960b, p. 15

Drillia nodocarinata (Gabb), Renick and Stenzel, 1931, p. 100

Hesperiturris nodocarinata (Gabb), Gardner, 1945, pp. 237-239 in part, pl. 24, figs. 3, 4 lectotype, not pl. 25, fig. 7; not pl. 27, fig. 13 = Mexican

Original specimens confused and mixed. Designation of lectotype by Gardner, 1945, provides re-evaluation of previous identifications.

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Robertson Co.*, Town Branch of Cedar Creek near Wheelock (type) *fide* Stenzel, Krause, and Twining, 1957, p. 11; *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. For further localities in Texas see Harris, 1895a, p. 60

Type.—Lectotype, No. 13288 ANSP

Hesperiturris nodocarinatus (Gabb) "var." **Turridae**

Eopleurotoma nodocarinata (Gabb) var., Harris, 1937, p. 35, pl. 6, figs. 1-4; Brann and Kent, 1960, p. 367

Range.—Middle Eocene. Weches fm., middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.

Types.—Figured specimens, Nos. 2443 (2), 2444 (2), 2445 (2)a, 2445 (2)b PRI

Hesperiturris nodocarinatus enstricrinus (Harris) **Turridae**

Pleurotoma enstricrina Harris, 1895a, p. 56, pl. 4, fig. 3

Eopleurotoma nodocarinata enstricrina (Harris), Harris, 1937, p. 35, pl. 6, figs. 5, 6; Brann and Kent, 1960, p. 367

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35603 BEG

Hexaplex (Paziella) vanuxemi silvaticus (Palmer)
See *Murex vanuxemi silvaticus* Palmer

Hippochrenes columbaria ? (De France), [Lamarck], Conrad, 1865f; Conrad, 1866a; Conrad, 1868; Whitfield, 1892. Not *Rostellaria columbaria* Lamarck, 1803, p. 220. Not De France, 1821
See *Calyptraphorus* sp.

Hippochrenes extenta (Conrad)
See *Platyoptera extenta* (Conrad)

Hipponix floridanus Palmer. Not Olsson and Harbison, 1953
See *Hipponix levinus* Palmer

Hipponix ingrediens de Gregorio
See *Hipponix pygmaeus* I. Lea

Hipponix levinus Palmer **Hipponicidae**

Hipponix floridanus Palmer *in* Richards and Palmer, 1953 (Dec.), p. 22, pl. 3, figs. 6-8. Not *Hipponix floridanus* Olsson and Harbison, 1953 (Nov.), p. 280
Hipponix levinus Palmer, 1955, p. 558

Range.—Middle Eocene. Avon Park ls., upper Claiborne gr. Upper Eocene. Inglis fm. (type), lower Ocala gr.
Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of Gulf Hammock, just SW. State Rd. 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); dredged channel Waccassassa R., SW. ¼ SW. ¼ sec. 8, T. 14 S., R. 16 E.
Types.—Holotype, No. I-7418; paratypes, I-7419, 7420, 7421 Fla. Geol. Sur.

Hipponix pygmaeus I. Lea **Hipponicidae**

Hipponix pygmaeus I. Lea, 1833, p. 95, pl. 3, fig. 75; Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 100; Crosse, 1862, p. 26; Cossmann, 1893, p. 27; Harris, 1895b, p. 38; Palmer, 1937, p. 149 in part, pl. 13, figs. 1, 2, 9; Harris and Palmer, 1947, pp. 265, 266 in part, not pl. 32, figs. 1-3; Brann and Kent, 1960, p. 453; Glibert, 1963a, p. 6. Not Dall, 1915, p. 104 in part, pl. 13, figs. 12-14 = *H. tampaensis* Mansfield, 1937, p. 171
Capulus pygmeus (I. Lea), d'Orbigny, 1850, p. 371
Helcion cf. *leanus* Gabb, 1860d, p. 387, pl. 67, figs. 48; Heilprin, 1891a, p. 401
Cochlolepas pygmaea (I. Lea), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11 [as Concholepas]
Rotella [*sic*] *(Helcion) pigmaea* (I. Lea), de Gregorio, 1890, p. 147, pl. 14 as *Patella*, figs. 4-6, fig. 7 copy I. Lea; Dall, 1892, p. 359
Hipponix ingrediens de Gregorio, 1890, p. 146, pl. 14, figs. 8, 9
Amalthea pygmaea (I. Lea), Dall, 1892, p. 359
Hipponyx pygmaeus I. Lea, Cossmann, 1893, p. 27
Hipponix cf. *pygmaeus* I. Lea, Palmer, 1937, p. 149 in part, pl. 13, figs. 3, 4, 8; pl. 82, figs. 13, 14 type *Helcion leanus* Gabb

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS*: Sabine Co.*, Sabine R., opposite Texas side, SW. corner of SE. ¼ sec. 35, T. 5 N., R. 13 W. (Veatch, 1902, p. 129); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; "Caldwell Co." =*Burleson Co.*, Stone City Bluff, Brazos R. (Gabb). Cf. MISS.: *Clarke Co.*, Wautubbee
Types.—Holotype, No. 5451 ANSP Lea Coll. Types *Hipponix ingrediens* de Gregorio, formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost. Holotype, *Helicon leanus* Gabb, ANSP

Hipponix pygmaeus I. Lea, Palmer, 1937 in part; Harris and Palmer, 1947 in part
See *Hipponix*, n. sp.

Hipponix sylvaerupis Harris **Hipponicidae**
Hipponyx sylvaerupis Harris, 1899a, p. 83, pl. 11, figs. 10, 10a; Harris and Palmer, 1947, p. 266; Brann and Kent, 1960, p. 454

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 325 PRI

Hipponix vagus Palmer **Hipponicidae**
Hipponix vagus Palmer, 1944, p. 6, pl. 2, figs. 1-3; Harris and Palmer, 1947, p. 266

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 111 GSATC

Hipponix, n. sp. **Hipponicidae**
Hipponix pygmaeus I. Lea, Palmer, 1937, p. 150 in part; Harris and Palmer, 1947, p. 265 in part, pl. 32, figs. 1-3; Brann and Kent, 1960, pp. 453, 454 in part

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson; Town Cr., Jackson; *Clarke Co.*, Garland Cr., near Shubuta. LA.: *Grant Par.*, Montgomery, about ½ mi. below ferry, Red R.
Types.—Figured specimens, Nos. 4540, 4541 PRI

Hipponyx
See *Hipponix*

"Hopleurotoma" ? albirupsis "Palmer", Wilbert, 1953, p. 99 typographical for *Eopleurotoma ? albirupsis* Harris *in* Harris and Palmer, 1947

Infracoronia ludoviciana (Vaughan) **Turridae**
Pleurotoma ludoviciana Vaughan, 1896, pp. 33, 39, pl. 2, fig. 3; Schuchert, *et al.*, 1905, p. 522

Gemmula ludoviciana (Vaughan), Casey, 1904, p. 137; Harris, 1937, p. 17, pl. 2, figs. 24-26; pl. 3, fig. 1 holotype; Brann and Kent, 1960, p. 406

Sinistrella (Infracoronia) ludoviciana (Vaughan), Harris and Palmer, 1947, p. 423

Range.—Middle Eocene. ? Weches fm., middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.

Localities.—LA.: *Bienville Par.*, Hammetts Branch (type). ? TEXAS: *Bastrop Co.*, Smithville, Colorado R. MISS.: *Newton Co.*, Hickory

Type.—Holotype, No. 147039 USNM

Infracoronia ludoviciana normani (Harris) **Turridae**

Gemmula ludoviciana normani Harris, 1937, p. 17, pl. 3, fig. 3; Brann and Kent, 1960, p. 406

Sinistrella (Infracoronia) ludoviciana normani (Harris), Harris and Palmer, 1947, p. 423, pl. 58, fig. 6 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)

Type.—Holotype, No. 2396 PRI

"Infundibulum carinatum" Conrad

Infundibulum carinatum Conrad, 1848a, p. 298; Conrad, 1848b, p. 129, pl. 14, fig. 6; Dall, 1892, p. 353 fragment

Calyptraea carinata (Conrad), Palmer, 1937, p. 146

This is apparently a tip of some gastropod not *Calyptraea*. The name should be discarded unless it can be proven to belong to a known species.

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Calhoun Co.*, "St. Matthew's Parish, Orangeburg District" (type)

Type.—Missing ANSP Moore, 1962, p. 45

Infundibulum trochiformis I. Lea
See *Calyptraea aperta* (Solander)

Infundibulum urticosum Conrad
See *Calyptraea aperta* (Solander)

Iphiana anita (Aldrich)
See *Pyramidella (Iphiana) anita* (Aldrich)

Iphiana obtusoides Aldrich
See *Pyramidella (Iphiana) obtusoides* Aldrich

Jenneria ludoviciana (Johnson)
See *Cypraea ludoviciana* Johnson

Jenneria transovuloides (Schilder)
See *Transovula (Oxycypraea) transovuloides* (Schilder)

Keilostoma mediavia Harris **Rissoidae**

Keilostoma mediavia Harris, 1896, p. 116, pl. 12, figs. 8, 9, 9a; Brann and Kent, 1960, p. 460

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Localities.—ALA.: *Wilcox Co.*, ½ mi. E. of S. McConnico's; 1½ mi. SW. of Palmer's Mill (type); *Barbour Co.*, R.R. cut 1⅓ mi. NE. of Clayton

Types.—Syntype, No. 114 PRI (fig. 8); syntype, No. 129614 USNM (figs. 9, 9a)

Kelletia (Penion) bella (Conrad)
See *Penion bellus* (Conrad)

Kelletia (Penion) delabechei [*sic*] (I. Lea)
See *Penion delabechii* (I. Lea)

Lacinia alveata (Conrad) **Buccinidae**

Melongena alveata Conrad, 1833a, p. 344; Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 37, pl. 15, fig. 2 (Harris reprint, 1893, p. 93, pl. 15, fig. 2); H. C. Lea, 1849, p. 101; Tuomey, 1858, p. 266; Harris, 1895b, p. 5; Cooke, 1926a, pl. 95, fig. 4; Semmes, 1929, fig. 61-4

Pyrula Smithii I. Lea, 1833, p. 155, pl. 5, fig. 162; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 42 = *Melongena alveata* Conrad. Not J. De C. Sowerby, 1835a, p. 336

Cassidula (Lacinia) alveata (Conrad), Conrad, 1853c, p. 448

Cassidula alveata (Conrad), Conrad, 1857, pp. 141, 163, pl. 19, figs. 9a, 9b western Texas

Lacinia alveata (Conrad), Conrad, 1865a, p. 21; Conrad, 1866a, p. 17; Tryon, 1883b, p. 151, pl. 51, fig. 71; de Gregorio, 1890, p. 112, pl. 9, figs. 1, 2, fig. 4 copy *Pyrula Smithii* I. Lea; fig. 6 copy Conrad; Cossmann, 1893, p. 33; Harris, 1895b, p. 5; Cossmann, 1901b, p. 156, pl. 6, fig. 5; Tarr, 1906, p. 439, fig. 5; Deussen, 1924, pl. 22, fig. 10; Trowbridge, 1932, pl. 42, fig. 4 copy Deussen; Palmer, 1937, p. 302, pl. 44, figs. 9, 10, 12-14; Wenz, 1941, p. 1184, fig. 3371 copy Palmer; Shimer and Shrock, 1944, p. 501, pl. 205, fig. 22 copy Conrad; Brann and Kent, 1960, p. 462; Glibert, 1963b, p. 68; Perrilliat Montoya, 1963, p. 19, pl. 15, figs. 1, 7

Range.—Middle Eocene. Cf. Queen City fm., lower Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Bastrop Co.*, E. bank of Gazley Cr., S. side of Colorado R., Smithville (Palmer, 1937)

Types.—Lectotype, No. 14340 ANSP, Moore, 1962, p. 37. Lectotype, *Pyrula Smithii* I. Lea, No. 5812 ANSP

Lacinia claibornensis Palmer **Buccinidae**

Lacinia claibornensis Palmer, 1937, p. 303, pl. 44, figs. 6, 11; Brann and Kent, 1960, p. 462

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 3084 PRI

Lacuna (Lacunaria) alabamensis [*sic*] (Whitfield)
See *Lacunaria alabamiensis* (Whitfield)

Lacunaria alabamiensis (Whitfield) **Naticidae**

Natica (Girodes) alabamiensis Whitfield, 1865, p. 265, pl. 27, figs. 9, 10; de Gregorio, 1890, p. 152, pl. 14, figs. 41, 42 copy Whitfield; not Harris, 1896, p. 117, pl. 12, fig. 14; Whitfield, 1899, p. 172 *Gyrodes;* not Brann and Kent, 1960, p. 580

Lacunaria alabamiensis (Whitfield), Conrad, 1866a, p. 12; Conrad, 1866b, p. 77; Gardner, 1935, p. 307 type not Midway gr.; Wenz, 1940, p. 886, fig. 2605 copy Whitfield, not Claiborne, ("Vanikoroidae") [*sic*]; Wenz, 1941, p. 1026, fig. 2940 copy Whitfield, not Claiborne, (Naticidae)

Lacuna (Lacunaria) Alabamensis [*sic*] (Whitfield), Tryon, 1883b, p. 244, pl. 69, fig. 34

Natica alabamiensis Whitfield, Aldrich, 1886, p. 56

Ampullina alabamiensis (Whitfield), Cossmann, 1893, p. 26; Le Blanc, 1942⁺, p. 88 in part, pl. 12, figs. 9, 14

Natica (Lacunaria) alabamiensis Whitfield, Harris, 1899a, p. 91, pl. 11, fig. 29; Harris, 1899b, p. 308, pl. 55, fig. 9; Brann and Kent, 1960, p. 580

Range.—Lower Eocene Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, "Six miles above Claiborne, west side of river" Whitfield (type) probably Bells Ldg., Alabama R.; Greggs Ldg., Alabama R. LA.: For localities see Le Blanc, 1942⁺, p. 89

Type.—Holotype, No. UC 24509 CNHM

Lacunaria erecta (Whitfield) **Naticidae**

Natica erecta Whitfield, 1865, p. 264, pl. 27, fig. 11; Whitfield, 1899, p. 172

Lacunaria erecta (Whitfield), Conrad, 1866a, p. 12; Conrad, 1866b, p. 78

Natica (Euspira) erecta Whitfield, de Gregorio, 1890, p. 154, pl. 15, fig. 5 copy Whitfield

Ampullina erecta (Whitfield), Cossmann, 1893, p. 26

Natica (Lacunaria) erecta Whitfield, Harris, 1899a, p. 91, pl. 11, fig. 28; Brann and Kent, 1960, p. 582

Range.—Lower Eocene. Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, "six miles above Claiborne, on the west side of the river [= Bells Ldg.] and ten miles below Prairie Bluff [= ?] (Whitfield types)

Types.—Syntypes (2), No. UC 24510 CNHM

Lacunaria lithae Gardner **Naticidae**

Lacunaria lithae Gardner, 1935, p. 307, pl. 26, figs. 16, 17

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.

Locality.—TEXAS: *Maverick Co.*, 6 mi. S. of McFarland sheep pen, 27 mi. SE. Eagle Pass (USGS Sta. 11754) (type)

Types.—Holotype and paratype, No. 370941 USNM

Lacunaria sp. **Naticidae**

Natica (Girodes) alabamiensis Whitfield, Harris, 1896, p. 117, pl. 12, fig. 14; Brann and Kent, 1960, p. 580. Not Whitfield, 1865, p. 265

Ampullina alabamiensis (Whitfield), Le Blanc, 1942+, pp. 88, 89 in part, not pl. 12, figs. 9, 14

Range.—Paleocene. Naheola fm., upper Midway gr.; Matthews Ldg. beds., uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill; Matthews Ldg.; *Choctaw Co.*, Naheola. ARK.: *Pulaski Co.*, near Olsen's switch, a few mi. W. of Little Rock

Type.—Figured specimen lost

Lacunaria sp. **Naticidae**

Lacunaria sp. Gardner, 1935, p. 308

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Bastrop Co.*, 1½ mi. below Travis-Bastrop County line, Colorado R.

Type.—Specimen presumably USNM

Laevella floridana Palmer **Strombidae**

Laevella floridana Palmer *in* Richards and Palmer, 1953, p. 25, pl. 3, figs. 1-5

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); *Citrus Co.*, pit of Dunnellon Phosphate Mining Co., SW. ¼ sec. 10, T. 18 S., R. 19 E.

Types.—Holotype, No. I-7436; paratypes, Nos. I-7437, I-7438 Fla. Geol. Sur.

Laevibuccinum constrictum (Aldrich) **Buccinidae**

Neptunea constricta Aldrich, 1886, p. 24, pl. 5, fig. 13; Harris, 1896, p. 97, pl. 9, fig. 14 copy Aldrich; Palmer, 1937, p. 309

Neptunea Matthewensis Aldrich, 1886, p. 59 *nomen nudum;* Harris, 1896, p. 97

Murex (Pisania) constricta Aldrich, de Gregorio, 1890, p. 93, pl. 7, fig. 24 copy Aldrich

Euthria constricta (Aldrich), Cossmann, 1893, p. 34

Pisania constricta (Aldrich), Cossmann, 1901b, p. 165

Laevibuccinum constrictum (Aldrich) ?, Gardner, 1935, p. 253, pl. 21, fig. 6

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; Tehuacana mem., Kincaid fm., lower Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R. sec. 12. T. 12 N., R. 6 E., 9 mi. W. of Camden (type). ? TENN.: *Hardeman Co.*, Hannah's near Crainesville. TEXAS: *Bastrop Co.*, ½ mi. NE. Cedar Creek Crossing on Austin-Red Rock road

Type.—Holotype, No. 638764 USNM

Laevibuccinum (Euryochetus ?) harrisi Aldrich **Buccinidae**

Sipho ? erectus Aldrich, Harris, 1897a, p. 476, pl. 21, fig. 3 [not *Aesopus* as stated in Aldrich, 1921, p. 16]; Harris, 1899a, p. 59 as *Aesopus* in part, pl. 7, fig. 2 as "*Sipho erectus.*" Not *S. erectus* Aldrich, 1895b, p. 13

Laevibuccinum (Euryochetus ?) harrisi Aldrich, 1921, p. 16, pl. 2, figs. 7-9

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type); Woods Bluff, Tombigbee R.; *Wilcox Co.*, 6 mi. E. of Thomasville

Types.—Syntypes, No. 14 GSATC

Laevibuccinum lineatum Heilprin **Buccinidae**

Laevibuccinum lineatum Heilprin, 1881, p. 371, pl. 20, fig. 5; Harris, 1896, p. 97, pl. 9, fig. 15; Harris, 1899a, p. 52, pl. 6, fig. 12; Cossmann, 1901b, p. 182 as *Levibuccinum;* Davies, 1935, p. 282, fig. 408; Palmer, 1937, p. 309, pl. 44, figs. 3, 4; Brann and Kent, 1960, p. 462

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm. upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Knight's Branch, Bashi Cr. (type)

Type.—Holotype, No. 15 GSATC

Laevibuccinum popleum de Gregorio **Buccinidae**

Buccinum (Laevibuccinum) popleum de Gregorio, 1890, p. 106, pl. 8, fig. 24

Buchozia poplea (de Gregorio), Cossmann, 1893, p. 43

Laevibuccinum popleum de Gregorio, Palmer, 1937, p. 309

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Laevibuccinum prorsum (Conrad) **Buccinidae**

Buccinum prorsum Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 97; Harris, 1895b, p. 36

Buccinanops prorsum (Conrad), d'Orbigny, 1850, p. 369

Laevibuccinum prorsum (Conrad), Conrad, 1865a, p. 21; Conrad, 1865d, p. 211, pl. 20, fig. 17; Conrad, 1866a, p. 17; Cossmann, 1893, p. 34; Cossmann, 1901b, p. 182, pl. 8, figs. 2, 3 as *Levibuccinum* [locality wrong]; Palmer, 1937, p. 309, pl. 44, figs. 1, 5, 8 [fig. 1 omitted in text]; Wenz, 1941, p. 1172, fig. 3331 copy Cossmann; Brann and Kent, 1960, p. 463; cf. Perrilliat Montoya, 1963, p. 20, pl. 15, figs. 3, 5

Buccinum (Laevibuccinum) prorsum Conrad, de Gregorio, 1890, p. 106, pl. 8, fig. 25 copy Conrad

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg. Mexico see Perrilliat Montoya, 1963, p. 20
Types.—Lectotype ? and remaining specimens, No. 30554 ANSP Moore, 1962, p. 90

Laevityphis (Laevityphis) gracilis (Conrad) **Muricidae**

Typhis gracilis Conrad, 1833a, p. 344; Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 107; d'Orbigny, 1850, p. 365 *Tiphis;* Conrad, 1865a, p. 16; Conrad, 1866a, p. 19; Harris, 1895b, p. 21; Wrigley, 1930, p. 114; Palmer; 1937, p. 271, pl. 36, figs. 1, 5; pl. 85, fig. 12 type; Brann and Kent, 1960, p. 942
Murex alternata I. Lea, 1833, p. 157, pl. 5, fig. 163; H. C. Lea, 1849, p. 102; Harris, 1895b, p. 4 = *Typhis gracilis* Conrad; Keen, 1944, p. 63
Typhis alternata (I. Lea), de Gregorio, 1890, p. 96, pl. 7, figs. 38, 39, fig. 40 copy Lea; Cossmann, 1893, p. 32; Cossmann, 1903b, p. 59, pl. 2, fig. 26 section *Laevityphis*
Laevityphis (Laevityphis) gracilis (Conrad), Keen, 1944, p. 59
Typhis (Laevityphis) gracilis Conrad, Glibert, 1963b, p. 23

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 4 specimens *T. gracilis* Conrad, No. 13755 ANSP, Moore, 1962, p. 63. Holotype *M. alternata* I. Lea, No. 5813 ANSP

Lamprodoma alabamensis (Conrad)
See *Agaronia alabamensis* (Conrad)

Lamprodoma bombylis (Conrad)
See *Agaronia bombylis* (Conrad)

Lamprodoma gracilis (I. Lea)
See *Agaronia alabamensis* (Conrad)

Lamprodoma mississippiensis (Cooke)
See *Agaronia mississippiensis* (Cooke)

Lamprodoma Phillipsii (I. Lea)
See *Agaronia alabamensis* (Conrad)

Lampusia Showalteri (Conrad)
See *Ranella showalteri* (Conrad)

Lapparia cancellata Stenzel and Turner **Volutidae**

Lapparia cancellata Stenzel and Turner, 1940, p. 815, pl. 44, fig. 2; Stenzel and Turner, [1942], Gastropoda 4, Card No. 32, fig. 2 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, cut and ditch on E. side of Negreet-Columbus road on steep wooded blackland hill, 7.15 mi. from school at Negreet (type)
Type.—Holotype, No. 17643 BEG

Lapparia conradi Palmer **Volutidae**

Lapparia conradi Palmer *in* Richards and Palmer, 1953, p. 32, pl. 8, figs. 9-11

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7611; paratypes, No. I-7612, I-7613 Fla. Geol. Sur.

Lapparia crassa Stenzel and Turner **Volutidae**

Mitra, n. sp. aff. *mooreana* Gabb, Stenzel *in* Renick and Stenzel, 1931, pp. 95, 101 in part
Lapparia crassa Stenzel and Turner, 1940, p. 813, pl. 44, fig. 1; pl. 45, fig. 1; Stenzel and Turner, [1942], Gastropoda 5, Card No. 33, fig. 1 (left) holotype, fig. 1 (right) paratype

Range.—Middle Eocene. Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R. upstream from bridge of State highway No. 21, 9.4 mi. W. of Bryan (type)
Types.—Holotype, No. 17644; paratypes (8), Nos. 17645-17652 BEG

Lapparia dumosa (Conrad) **Volutidae**

Mitra dumosa Conrad *in* Wailes, 1854, p. 289, pl. 15, fig. 4 (reprint, 1939, p. 19, pl. 2, fig. 4)
Mitra (Lapparia) dumosa Conrad, Conrad, 1865a, p. 260 (reprint, 1939, p. 6). Not *Mitra dumosa* Conrad var., Aldrich, 1886, p. 50; Harris, 1899a, p. 38 species not found; not Conrad, 1854
Lapparia dumosa (Conrad), Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Cossmann, 1899b, p. 111, text fig. 14, pl. 8, fig. 8; Palmer, 1937, p. 386, pl. 62, figs. 1, 3; Stenzel and Turner, 1940, p. 819, pl. 45, fig. 2; Stenzel and Turner, [1942], Gastropoda 6, Card No. 34, figs. 2, 4; Wenz, 1943, p. 1353, fig. 3829 copy Palmer, 1937; Shimer and Shrock, 1944, p. 508, pl. 29, figs. 12, 13 copies Palmer, 1937; Palmer *in* Harris and Palmer, 1947, p. 403, pl. 56, figs. 1-4, 9, 10, 21; Pilsbry and Olsson, 1954, p. 15, pl. 25 [1], fig. 4 Volutidae; Brann and Kent, 1960 pp. 467, 468
Turricula (Lapparia) dumosa (Conrad), Tryon, 1883b, p. 171, pl. 55, fig. 51
Lapparia pactilis (Conrad), Dall, 1890, p. 79 in part, pl. 6, fig. 6. Not *Lapparia pactilis* (Conrad), 1833c

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type); Town Cr., Jackson; *Clarke Co.*, Garland Cr., near Shubuta; Garland Cr., 2-3 mi. S. of bridge site. TEXAS: *Sabine Co.*, Sabine R. opposite center sec. 6, T. 3 N., R. 12 W. (Veatch loc. 30); 1 mi. below Robinson's Ferry, Sabine R. LA.: *Grant Par.*, Montgomery Ldg., Red R.; same lower bed; same about ½ mi. below ferry; *Caldwell Par.*, 1 mi. above Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.; Grandview Bluff, Ouachita R.

Types.—Holotype and remaining specimen, No. 13575 ANSP Moore, 1962, p. 56; No. 30689 ANSP "agrees well with original description" Moore, 1962, p. 56. Syntypes, No. 13575 ANSP *fide* Stenzel and Turner. Lectotype, No. 13205 ANSP *fide* Harris and Palmer

Lapparia dumosa (Conrad), Heilprin, 1891. Not Conrad *in* Wailes, 1854
See *Lapparia mooreana* (Gabb)

Lapparia dumosa exigua Palmer **Volutidae**

Lapparia dumosa exigua Palmer, 1937, p. 386, pl. 62, figs. 2, 5; Stenzel and Turner, 1940, p. 821, pl. 45, figs. 4, 6, figs. 8, 9 copies Palmer; Stenzel and Turner [1942] Gastropoda 7, Card No. 35, figs. 1, 2, 5; Harris and Palmer, 1947, p. 405, pl. 56, figs. 5-8 [as *exiqua*]; Brann and Kent, 1960, p. 468

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg., (lower bed) Red R.; same ½ mi. below ferry, Red R.; *Caldwell Par.*, ½ mi. below Gibson Ldg., Ouachita R. (type); 1 mi. above Gibson Ldg., Ouachita R.; ¾ mi. below Gibson Ldg., Ouachita R.; Bunker Hill bluff, Ouachita R., ½-1 mi. behind Bunker Hill Ldg.; Grandview Bluff, Ouachita R. MISS.: *Hinds Co.*, Town Cr., Jackson

Types.—Lectotype, Nos. 3202 herein selected; paralectotype, No. 3203 PRI

Lapparia elongata Stenzel and Turner **Volutidae**

Lapparia mooreana (Gabb) Cossmann, 1899b, p. 112, pl. 8, fig. 9; Palmer, 1937, p. 387 in part, pl. 62, figs. 8, 12, 13; not pl. 62, figs. 9-11, 14-16; pl. 88, fig. 12; Brann and Kent, 1960, p. 469 in part, Nos. 3208, 3212, 3213 only. Not *Lapparia mooreana* (Gabb), 1860d, p. 383

Mitra cf. *dubia* H. C. Lea, Stenzel *in* Renick and Stenzel, 1931, p. 106

Lapparia elongata Stenzel and Turner, 1940, p. 806, pl. 44, figs. 3, 5; Stenzel and Turner, [1942], Gastropoda 8, Card No. 36, fig. 3 holotype, fig. 5 paratype

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, bluff on right bank of Colorado R. upstream from highway bridge at Smithville (type)

Types.—Holotype, No. 17657 BEG (fig. 3); paratype, No. 17658 BEG (fig. 5)

Lapparia georgiana (Conrad) **Volutidae**

Mitra georgiana Conrad, 1850, p. 39, pl. 1, fig. 4

Lapparia georgiana (Conrad), Palmer, 1937, p. 385 under *L. pactilis;* Stenzel and Turner, 1940, p. 822; Stenzel and Turner, [1942], Gastropoda 9, Card No. 37, fig. 4 copy Conrad

Range.—Unknown
Locality.—Georgia (type)
Type.—Missing *fide* Moore, 1962, p. 63

Lapparia mooreana (Gabb) **Volutidae**

Mitra mooreana Gabb, 1860d, p. 383, pl. 67, fig. 24

Lapparia mooreana (Gabb), Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; not Cossmann, 1899b, p. 112, pl. 8, fig. 9 *L. elongata* Stenzel and Turner; Palmer, 1937, p. 387 in part, pl. 62, figs. 9, 11, 14-16; pl. 88, fig. 12 type; not pl. 62, figs. 8, 12, 13 = *L. elongata* Stenzel and Turner; fig. 10 = *L. nuda* Stenzel and Turner; Stenzel and Turner, 1940, p. 809, pl. 44, figs. 4, 7, 8; Stenzel and Turner, [1942], Gastropoda 10, Card No. 38, figs. 4, 7, fig. 10 type; Brann and Kent, 1960, p. 469 in part, Nos. 3209, 3214, 3215 only; Glibert, 1960a, p. 64

Lapparia dumosa (Conrad), Heilprin, 1891a, p. 396. Not Conrad *in* Wailes, 1854, p. 289

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R., (*fide* Stenzel, Krause, and Twining, 1957, p. 11); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Bastrop Co.*, Smithville, Colorado R.; S. bank Colorado R. about 200 yds. W. of bridge, Smithville; *Sabine Co.*, Sabine R., Texas side opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W. Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129). MISS.: *Clarke Co.*, about 8 mi. W. of Enterprise; Wautubbee; *Newton Co.*, Hickory; 2 mi. NE. of Newton, on route 15; Indian Mound, 3 mi. E. of Newton on A. and V. R.R. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Type.—Holotype, No. 13273 ANSP

Lapparia mooreana (Gabb), Palmer, 1937; Brann and Kent, 1960
See *Lapparia mooreana* (Gabb)
See also *Lapparia nuda* Stenzel and Turner
See also *Lapparia elongata* Stenzel and Turner

Lapparia nuda Stenzel and Turner **Volutidae**

Lapparia mooreana (Gabb), Palmer, 1937, p. 387 in part, pl. 62, fig. 10 only; Brann and Kent, 1960, p. 469 in part, No. 3210 only

Lapparia nuda Stenzel and Turner, 1940, p. 808, pl. 44, figs. 6, 9; Stenzel and Turner [1942], Gastropoda 11, Card No. 39, fig. 6 paratype, fig. 9 holotype

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, bluff on right bank of Colorado R. upstream from highway bridge at Smithville (type); *Leon Co.*, Spring Creek, dry branch of Spring Creek about 1 mi. S. of Cedar Creek School, 5.5 mi. SW. of Centerville

Types.—Holotype and paratypes, Nos. 17681-17698 BEG

Lapparia pactilis (Conrad) **Volutidae**

Mitra pactilis Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 43, pl. 16, fig. 21 poor; (Harris reprint, 1893, p. 99, pl. 16, fig. 2); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 355; Cossmann, 1893, p. 37; Harris, 1895b, p. 32

Voluta dubia H. C. Lea, 1841, p. 103, pl. 1, fig. 23; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 32 = *L. pactilis*. Not *V. dubia* Broderip, 1828, p. 81

Mitra Claibornensis Conrad, 1860, pl. 47, fig. 6 not described

Lapparia pactilis (Conrad), Conrad, 1865a, p. 24; Conrad, 1866a, p. 16 *pactylis;* Dall, 1890, p. 79 in part; Palmer, 1937, p. 385, pl. 62, figs. 4, 6, 7; pl. 89, fig. 4 type *Voluta dubia* H. C. Lea; Stenzel and Turner, 1940, p. 816, pl. 45, figs. 3, 5; Stenzel and Turner, [1942] Gastropoda 12, Card No. 40, figs. 3, 5, fig. 21 copy Conrad; Brann and Kent, 1960, p. 470

Mitra (Lapparia) pactilis Conrad, de Gregorio, 1890, p. 72, pl. 5, fig. 39 copy Conrad

Mitra dubia (H. C. Lea), de Gregorio, 1890, p. 75 in part, pl. 5, fig. 49 copy *M. claibornensis* Conrad, fig. 60 copy *Voluta dubia* H. C. Lea. Not figs. 56a, 57b, 58, 59 not *Voluta dubia* H. C. Lea, not Gosport sd.

Turricula dubia (H. C. Lea), Cossmann, 1893, p. 37

Mitra (Mitreola) pactilis Conrad, Cossmann, 1893, p. 37

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); *Clarke Co.*, Little Stave Creek in sec. 8 and 9, T. 7 N., R. 2 E., 4½ mi. N. of Jackson (Gardner, 1939)

Types.—Lectotype + 4 specimens, No. 13576 ANSP Moore, 1962, p. 82. Holotype *Voluta dubia* H. C. Lea, No. 13172 ANSP

Lapparia pactilis (Conrad), Dall, 1890 in part
See *Lapparia dumosa* (Conrad)

Lapparia sp. **Volutidae**

Lapparia sp. Stenzel and Turner, 1940, p. 806

Range.—Middle Eocene. Tyus mem., Weches fm., middle Claiborne gr.

Locality.—TEXAS: *Leon Co.*

Type.—Unfigured specimen, probably BEG

Lathyrus
See *Latirus*

Lathyrus (Leucozonia) alabamiensis [*sic*] (Aldrich)
See *Mitrella alabamensis* (Aldrich)

Lathyrus (Leucozonia) biplicatus Aldrich
See cf. *Latirus biplicatus* (Aldrich)

Lathyrus humilior (Meyer)
See *Latirus humilior* (Meyer)

Lathyrus (Leucozonia) impressus (Gabb)
See cf. *Mazzalina impressa* (Gabb)

Lathyrus (Leucozonia) Oweni (Dall)
See *Mazzalina inaurata oweni* (Dall)

Lathyrus (Leucozonia) pirulus (Conrad)
See *Mazzalina inaurata pyrula* Conrad

Lathyrus protractus (Conrad), Cossmann, 1901b, p. 42 *nomen nudum*

Lathyrus singleyi (Harris)
See *Latirus (Dolicholatirus) singleyi* Harris

Latirofusus ? interstriatus (Heilprin)
See *Latirus (Dolicholatirus) ? interstriatus* (Heilprin)

Latirofusus leaensis (Harris)
See *Latirus (Dolicholatirus) leaensis* Harris

Latirofusus obtusus (Johnson)
See *Latirus (Dolicholatirus) obtusus* Johnson

Latirofusus perexilis (Conrad), Pilsbry *L. harrisi* in synonymy
See *Latirus (Dolicholatirus) harrisi* Johnson

Latirofusus pulcher (I. Lea)
See *Exilifusus thalloides* (Conrad)

Latirus alabamensis Aldrich
See *Mitrella alabamensis* (Aldrich)

Cf. **Latirus angularis** (Whitfield) **Fasciolariidae**

Fusus angularis Whitfield, 1892, p. 194, pl. 24, figs. 15-19, expl. of pl. figs. 15, 16 AMNH; text Rutgers; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntype, pl. 24, figs. 15, 16, No. 9737/1 AMNH. Syntype, not found, Rutgers, 1965

Cf. **Latirus biplicatus** (Aldrich) **Fasciolariidae**

Leucozonia biplicata Aldrich, 1886 p. 23, pl. 5, fig. 15; Harris, 1896, p. 92, pl. 9, fig. 4 copy Aldrich
Fasciolaria (Leucozonia) biplicata Aldrich, de Gregorio, 1890, p. 78, pl. 6, figs. 8a, 8b copies Aldrich
Latirus biplicatus (Aldrich), Cossmann, 1893, p. 35
Lathyrus (Leucozonia) biplicatus Aldrich, Cossmann, 1901b, p. 50

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W of Camden (type)
Type—Holotype, No. 638760 USNM

Latirus elaboratus Aldrich **Fasciolariidae**

Latirus elaboratus Aldrich, 1903, p. 99, pl. 3, figs. 11, 12

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Cr. fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, "Matthew's Landing bed, at C. Jones"; Graveyard Hill, Allenton (type) [from holotype label]
Type.—Holotype, No. 639017 USNM

Latirus (Dolicholatirus) eocenensis (Whitfield) **Fasciolariidae**

Triton Eocenense Whitfield, 1892, p. 192, pl. 24, figs. 4, 5; Whitfield, 1899, p. 176 as *Eocenensis*

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, not found Rutgers, 1965

Latirus extricatus (Casey) **Fasciolariidae**

Ruscula extricata Casey, 1904, p. 162

Latirus extricatus (Casey), Palmer, 1937, pp. 342, 344, pl. 54, fig. 6 holotype, figs. 16, 17; Brann and Kent, 1960, p. 470

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 494369 USNM

Latirus (Dolicholatirus) harrisi Johnson **Fasciolariidae**

Latirus singleyi Harris "var.", Harris, 1895a, p. 71, pl. 6, fig. 13a

Latirus harrisi Johnson, 1899, p. 73, pl. 1, fig. 8

Latirofusus perexilis (Conrad), Pilsbry, 1922, p. 346 = *L. harrisi*

Latirus (Dolicholatirus) perexilis (Conrad), Palmer, 1937, p. 345 in part, pl. 54, fig. 1 copy *L. harrisi* Johnson, 1899; figs. 4, 11 not *L. perexilis*, fig. 12 copy Harris, 1895a. Not *Turbinella perexilis* Conrad Oligocene

Latirus (Dolicholatirus) perexilis (Conrad) "var.", Brann and Kent, 1960, p. 472

Range.—Middle Eocene. Tyus mem. (type), Weches fm., middle Claiborne gr.; Hurricane lentil, Landrum mem., Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Houston Co.*, Hurricane Bayou, near Crockett [see Stenzel, Krause, and Twining, 1957, p. 200]; *Cherokee Co.*, Berryman's Place, 3 mi. NE. of Alto (type) [see Stenzel, Krause and Twining, 1957, pp. 147, 211]

Types.—Holotype, No. 9739 ANSP. Figured specimen *L. singleyi* Harris "var.", No. 35628 BEG

Latirus humilior (Meyer) **Fasciolariidae**

Turbinella humilior Meyer, 1885a, pp. 464, 468

Latirus humilior (Meyer), Meyer, 1886b, p. 74 in part, pl. 2, figs. 20, 20a; Cossmann, 1893, p. 35; Harris and Palmer, 1947, p. 373, pl. 50, figs. 14, 15 copies Meyer

Lathyrus humilior (Meyer), Cossmann, 1901b, p. 42

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Types.—Syntypes, No. 638709 (figs. 20, 20a) USNM

Latirus humilior cognatus Palmer **Fasciolariidae**

Latirus humilior cognatus Palmer *in* Harris and Palmer, 1947, p. 374, pl. 50, figs. 7, 11-13; Brann and Kent, 1960, p. 470

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); lower bed same locality

Types.—Holotype, No. 4718; paratypes, Nos. 4717, 4719 PRI

Latirus humilior jacksonensis (Aldrich) **Fasciolariidae**

Fasciolaria Jacksonensis Aldrich, 1885a, p. 150, pl. 2, fig. 12; Aldrich,

1886, p. 22, pl. 2, fig. 12
Latirus jacksonensis (Aldrich), Palmer, 1937, p. 343
Latirus humilior jacksonensis (Aldrich), Harris and Palmer, 1947, p. 375, pl. 50, figs. 8, 9, fig. 10 copy Aldrich; Brann and Kent, 1960, p. 470

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson, Moodys Branch (type)

Type.—Holotype, No. 638717 USNM

Latirus humilior urbanus Palmer **Fasciolariidae**

Latirus humilior urbanus Palmer *in* Harris and Palmer, 1947, p. 373, pl. 50, figs. 3-6; Brann and Kent, 1960, p. 471

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., ½ mi. below ferry; lower bed at Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; in road near top of hill from river at Bunker Hill. TEXAS: *Sabine Co.*, ½ mi. below Robinson's Ferry, Sabine R. ARK.: *Cleveland Co.*, Vince Ferry, Saline R.

Types.—Holotype, No. 4715; paratype, No. 4716 PRI

Latirus imbricatulus Harris
See *Penion imbricatulus* (Harris)

Latirus (Dolicholatirus?) interstriatus (Heilprin) **Fasciolariidae**

Fusus interstriatus Heilprin, 1881, p. 372, pl. 20, fig. 11; Harris, 1899a, p. 40 in part, pl. 5, fig. 1; Brann and Kent, 1960, p. 399. Not *F ? interstriatus* Heilprin, Clark and Martin, 1901, p. 135, pl. 22, figs. 4, 4a
Streptochetus (Streptolathyrus) interstriatus (Heilprin), Cossmann, 1901b, p. 32
Latirofusus ? interstriatus (Heilprin), Grabau, 1904, p. 2, pl. 17, fig. 8

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type); Knights Branch, Bashi Cr.; *Choctaw Co.*, 4 mi. S. of Mt. Sterling

Type.—Holotype, No. 13248 ANSP

Latirus (Dolicholatirus?) interstriatus Heilprin subsp. **Fasciolariidae**

Fusus interstriatus Heilprin var., Harris, 1899a, p. 40 in part, pl. 5, fig. 2; Brann and Kent, 1960, p. 399

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, No. 248 PRI

Latirus jacksonensis (Aldrich)
See *Latirus humilior jacksonensis* (Aldrich)

Latirus (Dolicholatirus) leaensis Harris **Fasciolariidae**

Latirus leaensis Harris, 1897a, p. 472, pl. 18, fig. 13
Dolicholatirus leanus [*sic*] (Harris), Cossmann, 1901b, p. 24
Latirofusus leaensis (Harris), Pilsbry, 1922, p. 346
Latirus (Dolicholatirus) leaensis Harris, Harris and Palmer, 1947, p. 377, pl. 50, figs. 1, 2; Wilbert, 1953, p. 124, pl. 2, fig. 11; Brann and Kent, 1960, p. 471

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; White Bluff fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type). LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R. TEXAS: *Sabine Co.*, opposite center sec. 6, T. 3 N., R. 12 W.
Type.—Holotype, No. 6948 ANSP

Latirus marylandicus Clark and Martin **Fasciolariidae**

Latirus marylandicus Clark and Martin, 1901, p. 133, pl. 21, figs. 12, 12a

Range.—Paleocene. Aquia fm. (type)
Locality.—VA.: *King George Co.*, 2 mi. below Potomac Creek (type)
Type.—Holotype, USNM

Latirus moorei (Gabb) **Fasciolariidae**

Fasciolaria Moorei Gabb, 1860d, p. 382, pl. 67, fig. 27
Cordieria [*sic*] *Moorei* (Gabb), Conrad, 1865a, p. 23; Conrad, 1866a, p. 16
Latirus (Cordiera) Moorei (Gabb), Heilprin, 1891a, p. 396
Latirus moorei (Gabb), Deussen, 1924, p. 67, pl. 22, fig. 1; Palmer, 1937, p. 342, pl. 54, figs. 2, 5, 9, 10, 14, 18; pl. 87, fig. 3 type; Le Blanc, 1942⁺, p. 93, pl. 6, fig. 13; Brann and Kent, 1960, p. 471; Glibert, 1963b, p. 128
Cordiera texana Conrad *nomen nudum*. Specimen in ANSP = *Latirus moorei* (Gabb) *fide* Palmer, 1937, p. 368. Not "? *Latirus (Cordiera) texana* Conrad" Heilprin, 1891a, p. 396 = "? *Cordiera gracilis*" [Conrad, 1866a, p. 16 Ala. Not 1886 as in Palmer, 1937] *fide* Heilprin; Palmer, 1937, p. 368
Latirus (Polygona) moorei Gabb, Gardner, 1945, p. 211, pl. 24, fig. 10 holotype

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr., Weches fm., middle Claiborne gr., Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Bastrop Co.*, Smithville, Colorado R.; S. bank Colorado R. about 200 yds. W. of bridge Smithville; *Sabine Co.*, Sabine R. opposite middle line of SE. ¼ sec. 35, T. 5 N., R. 13 W., *Sabine Par.*, La. Outcrop 22 (Veatch, 1902, p. 129). For additional localities see Palmer, 1937, p. 343
Type.—Lectotype, No. 13279 ANSP

Latirus (Dolicholatirus) obtusus Johnson **Fasciolariidae**

Latirus obtusus Johnson, 1899, p. 73, pl. 1, fig. 7
Latirofusus obtusus (Johnson), Pilsbry, 1922, p. 346
Latirus (Dolicholatirus) obtusus (Johnson), Palmer, 1937, p. 346, pl. 54, fig. 8 copy Johnson

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—TEXAS: *Houston Co.*, Hurricane Bayou (type)
Type.—Holotype, No. 9653 ANSP

Latirus ostrarupis (Harris) **Fasciolariidae**

Fusus ostrarupis Harris, 1895a, p. 72, pl. 7, fig. 3; Harris, 1896, p. 88, pl. 8, fig. 13 copy Harris, 1895a

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) (Gardner, 1935, p. 317)
Locality.—TEXAS: *Milam Co.*, Smileys Bluff, Brazos R., 2 mi. above mouth of Pond Creek (type)
Type.—Holotype, No. 35596 BEG

Latirus (Dolicholatirus) perexilis (Conrad), Palmer, 1937 in part.
Not *Turbinella perexilis* Conrad, 1848a, Oligocene
See *Latirus (Dolicholatirus) harrisi* Johnson

Latirus (Dolicholatirus) perexilis (Conrad) "var.", Brann and Kent, 1960
See *Latirus (Dolicholatirus) harrisi* Johnson

Cf. **Latirus perobesus** (Whitfield) **Fasciolariidae**

Fusus perobesus Whitfield, 1892, p. 196, pl. 25, figs. 8, 9; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype not found Rutgers, 1965

Latirus pleuricostatus (Whitfield) **Fasciolariidae**

Fusus pluricostatus Whitfield, 1892, p. 195, pl. 24, figs. 12-14; as *pleuricostatus;* Whitfield, 1899, p. 170 as *pleuricostatus*

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, not found Rutgers, 1965

Latirus plicatus (I. Lea) **Fasciolariidae**

Fasciolaria plicata I. Lea, 1833, p. 143, pl. 5, fig. 142; H. C. Lea, 1849, p. 99; Harris, 1895b, p. 35
Turbinella fusoides H. C. Lea, 1841, p. 98, pl. 1, fig. 14; de Gregorio, 1890, p. 71, pl. 6, fig. 40 copy H. C. Lea not in expl. of pl., duplicate fig. 40; Harris, 1895b, p. 20 = *Fasciolaria plicata* Lea
Latirus (Peristernia) plicatus (I. Lea), Conrad, 1865a, p. 23; Conrad, 1866a, p. 16
Fasciolaria (Latirus) plicata (I. Lea), de Gregorio, p. 78, pl. 6, fig. 5 copy Lea
Latirus plicatus (I. Lea), Cossmann, 1893, p. 35; Palmer, 1937, p. 341, pl. 86, fig. 9 type *T. fusoides* H. C. Lea; pl. 87, figs. 1, 2 type I. Lea; Glibert, 1963b, p. 128
Ruscula plicata (I. Lea), Casey, 1904, p. 162; Cossmann, 1906b, p. 223

Range.—Middle Eocene. Cf. middle Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). LA.: Exact data lost

Types.—Holotype, No. 5744 ANSP. Holotype *Turbinella fusoides* H. C. Lea, No. 13166 ANSP

Latirus sexcostatus Johnson **Fasciolariidae**

Latirus sexcostatus Johnson, 1899, p. 74, pl. 1, fig. 9; Palmer, 1937, p. 343, pl. 54, figs. 3, 7 copy Johnson; Brann and Kent, 1960, p. 472

Range.—Middle Eocene. Landrum mem. (type), Cook Mt. fm., upper Claiborne gr. *fide* Stenzel and Turner, 1940a, p. 813 and Stenzel, Krause, and Twining, 1957, p. 51

Localities.—TEXAS: *Houston Co.*, Alabama Bluff, 15 mi. SW. Crockett, Trinity R. (type); Hurricane Bayou; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129). LA.: *Sabine Par.*, Fisher

Type.—Holotype, No. 9199 ANSP

Latirus (Dolicholatirus) singleyi Harris **Fasciolariidae**

Latirus (Dolicholatirus) singleyi Harris, 1895a, p. 71, pl. 6, figs. 13; [not loc. 123, Moseley's Ferry, Palmer, 1937, ex. pl.; Brann and Kent, 1960, p. 472]; Palmer, 1937, p. 345, pl. 54, fig. 13 [not *L. (D.) perexilis* as on expl. of pl.], fig. 15; Brann and Kent, 1960, p. 472 No. 3163 should read *L. (D.) singleyi* Harris

Lathyrus Singleri [*sic*] (Harris), Cossmann, 1901b, p. 42

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Lee Co.*, Elm Creek (type); *Leon Co.*, 1 mi. SE. of Robbins

Type.—Holotype, No. 35629 (fig. 13) BEG

Latirus singleyi Harris "var.", Harris, 1895a
See *Latirus (Dolicholatirus) harrisi* Johnson

Latirus ? stephensoni Gardner **Fasciolariidae**

Latirus ? (Polygona) stephensoni Gardner, 1935, p. 245, pl. 21, fig. 11

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.

Locality.—TEXAS: *Kaufman Co.* Water Hill, 5 mi. NE. of Kemp (type)

Type.—Holotype, No. 370986 USNM

Latirus suturalis Johnson **Fasciolariidae**

Latirus suturalis Johnson, 1899, p. 73, pl. 1, fig. 6; Harris and Palmer, 1947, p. 376, pl. 49, fig. 6 copy Johnson

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 9610 ANSP

Latirus tepus (de Gregorio) **Fasciolariidae**

Fusus missipiensis [*sic*] var. *tepus* de Gregorio, 1890, p. 80, pl. 6, fig. 9. Not *Fusus mississippiensis* Conrad, 1848b, p. 116, pl. 11, fig. 34 not 39 as in de Gregorio 1890
Lirofusus mississipiensis [*sic*] var. *tepus* (de Gregorio), Cossmann, 1893, p. 36

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Siciliy. Lost

Latirus (Cordiera) texana Conrad, Heilprin, 1891a
See *Cordiera gracilis* Conrad

Latirus (Exilifusus) thalloides (Conrad)
See *Exilifusus thalloides* (Conrad)

Latirus (Dolicholatirus ?) tombigbeensis (Aldrich) **Fasciolariidae**

Fusus Tombigbeensis Aldrich, 1886, p. 22, pl. 5, fig. 7
Clavella tombigbeensis (Aldrich), Cossmann, 1901b, p. 20
Fusus bellus Conrad, de Gregorio, 1890, p. 91 in part, pl. 7, fig. 7 copy *F. tombigbeensis* Aldrich only

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm. upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638757 USNM

Latirus tortilis (Whitfield) **Fasciolariidae**

Fusus tortilis Whitfield, 1865, p. 260, pl. 27, fig. 5; Aldrich, 1887, p. 80; de Gregorio, 1890, p. 81, pl. 6, fig. 12 copy Whitfield; Harris, 1896, p. 89, pl. 8, fig. 14; Whitfield, 1899, p. 170
Latirus tortilis (Whitfield), Harris, 1899a, p. 45
Dolicholathyrus (Pseudolathyrus) tortilis (Whitfield), Cossmann, 1901b, p. 25
Fusus (Latirus) tortilis Whitfield, Brann and Kent, 1960, p. 399

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*—"nine miles below Prairie Bluff" (Whitfield, type) = Matthews Ldg.; Dales Branch; 1 mi. W. of Oak Hill. MISS.: *Tippah Co.*, 1½ mi. E. of Ripley. GA.: *Clay Co.*, Ft. Gaines
Type.—Holotype, No. UC 24514 CNHM

Latirus tortilis nanafalius Harris **Fasciolariidae**

Latirus tortilis var. *nanafalius* Harris, 1899a, p. 45, pl. 5, fig. 9; Le Blanc, 1942⁺, p. 135, pl. 16, fig. 11; Brann and Kent, 1960, p. 472

Range.—Lower Eocene. Nanafalia fm. (type), lower Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Marengo Co.*, Nanafalia Ldg., Tombigbee R. (type). LA.: *Sabine Par.*, N. bank La Nana Bayou section line between sec. 29 and 30, T. 7 N., R. 11 W.
Type.—Holotype, No. 251 PRI

Latirus sp. **Fasciolariidae**

Papillina dumosa (Conrad), Dall, 1890, p. 125 in part, pl. 10, fig. 6a. Not *P. dumosa* (Conrad), Conrad *in* Wailes, 1854, p. 289

Range.—Upper Eocene. "Ocala ls.", Ocala gr.

Locality.—FLA.: *Marion Co.,* Richard's Quarry, Ocala

Type.—Figured specimen, No. 112051 USNM

Latirus (Dolicholatirus) sp. or spp. **Fasciolariidae**

Fusus ? *interstriatus* Heilprin, Clark and Martin, 1901, p. 135, pl. 22, figs. 4, 4a. Not *Fusus interstriatus* Heilprin, 1881
May be one or two species involved.

Range.—Paleocene. Aquia fm. Lower Eocene, Nanjemoy fm.

Localities.—MD.: *Prince Georges Co.,* 1 mi. NE. of Piscataway. VA.: *King George Co.,* Woodstock; *Stafford Co.,* Aquia Cr.

Type.—Figured specimen, USNM

Leaella cossmanni (Aldrich)
See *Rissoina (Leaella) cossmanni* (Aldrich)

Leaella notata Cossmann
See *Rissoina (Leaella) cossmanni* (Aldrich)

Leiorhinus crassilabris Gabb
See *Leiorhinus prorutus* (Conrad)

Leiorhinus prorutus (Conrad) **Strombidae**

Fusus prorutus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 37

Fusus parvus I. Lea, 1833, p. 151, pl. 5, fig. 157; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 33 = *F. prorutus* Conrad

Fusus minor I. Lea, 1833, p. 151, pl. 5, fig. 158; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 28 = *F. prorutus* Conrad

Pleurotoma proruta (Conrad), Conrad, 1835a, p. 51, pl. 17, fig. 15 (Harris reprint, 1893, p. 107, pl. 17, fig. 15); d'Orbigny, 1850, p. 360

Leiorhinus crassilabris Gabb, 1860d, p. 402, pl. 67, fig. 60; Wenz, 1940, p. 930, fig. 2722 copy Gabb

Leiorhynus proruta (Conrad), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13; Cossmann, 1893, p. 31 [spelled *Liorhynus*]

Strombus (Leiorhynus) prorutus (Conrad), de Gregorio, 1890, p. 114, pl. 9, fig. 20 copy Conrad

Fusus (Bulbifusus) minor (I. Lea), de Gregorio, 1890, p. 88, pl. 6, fig. 40 copy I. Lea

Fusus (Bulbifusus) inauratus Conrad, de Gregorio, 1890, p. 88 in part, pl. 6, fig. 37 copy *F. parvus* I. Lea only

Rostellaria (Leiorhinus) proruta (Conrad), Aldrich, 1894b, p. 244

Rimella proruta (Conrad), Cossmann, 1904b, p. 34

Leiorhinus prorutus (Conrad), Palmer, 1937, p. 247, pl. 31, figs. 1-3, 13; pl. 84, fig. 2 type, fig. 9 type *F. minor* I. Lea; pl. 85, fig. 9 type *F. parvus* I. Lea; Brann and Kent, 1960, p. 480

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 2 specimens No. 15070 ANSP Moore, 1962, p. 90. Holotype *Fusus parvus* I. Lea No. 5800 ANSP. Holotype *Fusus minor* I. Lea No. 5801 ANSP

Leiostoma ? ludoviciana Harris
See cf. *Caricella ludoviciana* (Harris)

Lemintina ? gonioides Gardner
See *Serpulorbis gonioides* (Gardner)

Lemintina major Chavan *in* Palmer
See *Serpulorbis major* Chavan *in* Palmer
See also *Serpulorbis chavani* Palmer

Lemintina ornata (I. Lea)
See *Serpulorbis squamulosus* (Conrad)

Leptegouana columba (I. Lea)
See *Prunum (Leptegouana) columba* (I. Lea)

"Leptomaria" gigantea Whitfield **Pleurotomariidae**
Leptomaria gigantea Whitfield, 1892, p. 233, pl. 36, figs. 1, 2 (not pl. 37 as in text); Whitfield, 1899, p. 17

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *? Co.*, Mrs. Haight's pits, Bayley's corners, Wall Township
Type.—Holotype, not found Rutgers, 1965

"Leptomaria" pergranulosa Whitfield **Pleurotomariidae**
Leptomaria pergranulosa Whitfield, 1892, p. 234, pl. 36, figs. 3-6; Whitfield, 1899, p. 171

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, No. 9765/1 AMNH

Leptomaria perlata (Conrad)
See *"Pleurotomaria" perlata* Conrad

Leptonotis expansa (Whitfield) type species
See *Capulus expansus* (Whitfield)

Leptosurcula beadata (Harris) **Turridae**
Pleurotoma beadata Harris, 1895a, p. 57, pl. 4, fig. 7
Leptosurcula beadata (Harris), Casey, 1904, p. 157; Cossmann, 1906b, p. 223; Harris, 1937, p. 80, pl. 13, figs. 30, 31; Gardner, 1945, pp. 236, 237; Brann and Kent, 1960, p. 490
Turricula (Leptosurcula) beadata (Harris) Wenz, 1943, p. 1386, fig. 1317 copy Harris; Glibert, 1960b, p. 28

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35582 BEG

Leptothyra (Eutinochilus) concioniaria [*sic*] (de Gregorio)
See "*Delphinula concionaria*" de Gregorio

Leucozonia alabamiensis [*sic*] (Aldrich)
See *Mitrella alabamensis* (Aldrich)

Leucozonia biplicata Aldrich
See cf. *Latirus biplicatus* (Aldrich)

Leucozonia errabunda (de Gregorio)
See *Lirofusus thoracicus* (Conrad)

Leucozonia impressa (Gabb)
See cf. *Mazzalina impressa* (Gabb)

Leucozonia (Mazzalina) pyrula Conrad
See *Mazzalina inaurata pyrula* Conrad

Levifusus bellanus (Harris) **? Fasciolariidae**

Fusus bellanus Harris, 1897a, p. 479, pl. 23, fig. 3; Harris, 1899a, p. 41, pl. 5, fig. 3
Levifusus bellanus (Harris), Le Blanc, 1942+, p. 126 in part

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type)

Types.—Holotype and paratype, No. 6841 ANSP

Levifusus bellanus (Harris), Le Blanc, 1942+
See *Levifusus bellanus* (Harris)
See also *Levifusus* sp.

Levifusus bispinosus Aldrich **? Fasciolariidae**

Levifusus bispinosus Aldrich, 1931, p. 7, pl. 5, fig. 4

Range.—Lower Eocene. Tuscahoma fm. (type), middle Wilcox [Sabine] gr.

Locality.—ALA.: *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R. (type)

Type.—Holotype, No. 8 GSATC

Levifusus branneri Harris **? Fasciolariidae**

Levifusus branneri Harris, 1894b, p. 163, pl. 6, fig. 8; Harris, 1895a, p. 70; Harris, 1897a, p. 473, pl. 19, fig. 1; Veatch, 1906, pl. 20, fig. 5 (copy Harris, 1897a), fig. 5a (copy Harris 1894); Harris and Palmer, 1947, p. 371, pl. 49, figs. 12, 13; fig. 14 copy type; Wilbert, 1953, p. 124, pl. 2, fig. 6; Brann and Kent, 1960, p. 491

Range.—Upper Eocene. Lower Jackson gr. (type), White Bluff fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—ARK.: *Drew Co.*, Wadsworth's well, Long Prairie (type); *Jefferson Co.*, White Bluff, Arkansas R. MISS.: *Hinds Co.*, Jackson. LA.: *Grant Par.*, Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R.

Type.—Holotype, No. 135133 USNM

Levifusus ? dalei Harris **? Fasciolariidae**

Levifusus ? dalei Harris, 1896, p. 96, pl. 9, fig. 12; Brann and Kent, 1960, p. 491

Fusus (Levifusus) Dalli [*sic*] Harris, Cossmann, 1901b, p. 14 *nomen nudum* incorrect spelling for *dalei*

Range.—Paleocene. Naheola fm. (type), upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Dale's Branch near Oak Hill P. O. (type)

Type.—Holotype, No. 23 PRI

Levifusus Dalli [*sic*] Harris, Cossmann, 1901b *nomen nudum*
See *Levifusus ? dalei* Harris

Levifusus dallianus (Harris) **? Fasciolariidae**

Fulgur ? dallianum Harris, 1896, p. 96, pl. 9, fig. 13

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Locality.—ALA.: *Wilcox Co.*, 1 mi. or 2 mi. SW. of Palmer Mill (type)

Type.—Holotype, No. 129620 USNM

Levifusus fulguriparens Maury **? Fasciolariidae**

Levifusus fulguriparens Maury, 1909, p. 335, text fig.; Harris and Palmer, 1947, p. 370, pl. 49, figs. 7, 8 holotype; Brann and Kent, 1960, p. 492

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo clay, upper Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); *Caldwell Par.*, Wyant Bluff [Myatt], Ouachita R.; *Catahoula Par.*, Carter Ldg., Ouachita R.; *Winn Par.*, Tullos

Type.—Holotype, No. 4120 PRI

Levifusus ? harrisi Grabau **? Fasciolariidae**

Levifusus ? harrisi Grabau, 1903, pp. 526, 527; Grabau, 1904, p. 86, pl. 17, fig. 5; Palmer, 1937, p. 335, pl. 48, fig. 3 copy Grabau

Range.—Middle Eocene. "Lower Claibornian" (type, Grabau)

Locality.—"Texas". (type, Grabau)

Type.—Holotype, not found *fide* Palmer, 1937, p. 336

Levifusus hubbardi Harris **? Fasciolariidae**

Levifusus hubbardi Harris, 1896, p. 95, pl. 9, fig. 11; Brann and Kent, 1960, p. 492

Fusus (Levifusus) Hubbardi Harris, Cossmann, 1901b, p. 14

Range.—Paleocene. Midway gr. (type)

Locality.—MISS.: *Tippah Co.*, 1 mi. N. of Ripley (type)

Type.—Holotype, No. 21 PRI

Levifusus indentus Harris
See *Orthosurcula indenta* (Harris)

Levifusus irrasus (Conrad) **? Fasciolariidae**

Fusus irrasus Conrad, 1834, p. 145; Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 54, pl. 18, fig. 10 (Harris reprint, 1893, p. 110, pl. 18, fig. 10); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Conrad, 1865a, p. 16; Harris, 1895b, p. 23
Neptunea irrasa (Conrad), Conrad, 1866a, p. 19
Fusus (Neptunea) irrasus (Conrad), de Gregorio, 1890, p. 82, pl. 6, fig. 16 copy Conrad
? Fasciolaria errasa [*sic*] (Conrad), Cossmann, 1893, p. 36
Fusus (Levifusus) irrasus Conrad, Cossmann, 1901b, p. 15
Levifusus irrasus (Conrad), Palmer, 1937, p. 331, pl. 49, figs. 6, 9, 10; pl. 86, fig. 6 type, Conrad; Brann and Kent, 1960, p. 492

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype and 2 remaining specimens, No. 13829 ANSP Moore, 1962, p. 67

Levifusus irrasus hodsoni Palmer **? Fasciolariidae**

Levifusus irrasus hodsoni Palmer, 1937, p. 333, pl. 49, figs. 4, 5; Brann and Kent, 1960, p. 492

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type): S. bank Colorado R., 200 yds W. of bridge, Smithville
Type.—Holotype, No. 3118 PRI

Levifusus lithae Gardner **? Fasciolariidae**

Levifusus lithae Gardner, 1935, p. 225, pl. 20, fig. 10

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.
Locality.—TEXAS: *Maverick Co.*, USGS Sta. 11754, 6 mi. below McFarland sheep pens, 27 mi. SE. Eagle Pass (type)
Type.—Holotype, No. 370934 USNM

Levifusus moodianus Cooke **? Fasciolariidae**

Levifusus moodianus Cooke, 1926b, p. 137, fig. 12; Harris and Palmer, 1947, p. 372, pl. 49, figs. 1, 2; fig. 3 copy Cooke; Brann and Kent, 1960, p. 492

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch (type), Jackson
Type.—Holotype, No. 353948 USNM

Levifusus pagoda (Heilprin)
See *Levifusus ? pagodiformis* (Heilprin)

Levifusus mortonii (I. Lea) **? Fasciolariidae**

Fusus Mortonii I. Lea, 1833, p. 145, pl. 5, fig. 145; H. C. Lea, 1849, p. 100; Conrad, 1865a, p. 16; de Gregorio, 1890, p. 83, pl. 6, figs. 42, 43, fig. 44 copy I. Lea; Cossmann, 1893, p. 37; Harris, 1895b, p. 29; Cossmann, 1901b, p. 11
Neptunea Mortonii (I. Lea), Conrad, 1866a, p. 19
Levifusus ? mortoni (I. Lea), Grabau, 1904, pl. 18, fig. 3
[*Fusus*] *mortoni* I. Lea, Wrigley, 1927, p. 248

Levifusus mortoni (I. Lea), Palmer, 1937, p. 329, as *montonii* [*sic*], pl. 49, figs. 1, 3; fig. 2 copy type; Brann and Kent, 1960, p. 492; Glibert, 1963b, p. 91

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg and about 6 mi WNW of Orangeburg
Type.—Holotype, No. 5749 ANSP

Levifusus mortoniopsis (Gabb) **? Fasciolariidae**

Fusus mortoniopsis Gabb, 1860d, p. 377, pl. 67, fig. 15; Conrad, 1865a, p. 16; Heilprin, 1891a, p. 395; cf. Aldrich, 1886, p. 46; de Gregorio, 1890, p. 82 "sp. dub." copy Aldrich ref.
Fusus mortoni mortoniopsis Gabb, Harris, 1895a, p. 72, pl. 7, fig. 4; Stenzel *in* Renick and Stenzel, 1931, p. 101, pl. 7, fig. 16
Euthriofusus ? *Mortoniopsis* (Gabb), Cossmann, 1901b, p. 29
[*Fusus*] *mortoniopsis* Gabb, Wrigley, 1927, p. 248
Levifusus mortoniopsis (Gabb), Palmer, 1937, p. 330, pl. 49, figs. 7, 8, 12; pl. 86, fig. 7 type; Brann and Kent, 1960, p. 492

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: "Caldwell Co.," Gabb = *Burleson Co.*, Stone City Bluff, Brazos R. (type label ANSP); *Robertson Co.*, "Wheelock" Gabb = Town Branch of Cedar Cr., near Wheelock (*fide* Stenzel, Krause, and Twining, 1957, p. 11); *Bastrop Co.*, Smithville, Colorado R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., outcrop 21, (Veatch, 1902, p. 129). Cf. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.
Type.—Holotype, No. 13281 ANSP

Levifusus mortoniopsis carexus (Harris) **? Fasciolariidae**

Fusus mortoni var. *carexus* Harris, 1895a, p. 72, pl. 7, fig. 5; not Harris, 1897a, p. 472, pl. 18, fig. 12 = *Tritonoatractus pearlensis montgomeriensis* (Vaughan); Stenzel *in* Renick and Stenzel, 1931, p. 101, pl. 7, fig. 17
Levifusus mortoniopsis carexus (Harris), Palmer, 1937, p. 331, pl. 49, fig. 11 holotype, figs. 13, 14; ? Harris and Palmer, 1947, p. 369 in part, pl. 49, figs. 9, 10 see subsp.; Brann and Kent, 1960, p. 493; Glibert, 1963b, p. 91 Claiborne, Ala.

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS.: *Lee Co.*, between Orell's and Evergreen Crossing, Elm Creek (type); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. LA.: *Winn Par.*, St. Maurice; *Sabine Par.*, Columbus; Fisher; *Bienville Par.*, Hammetts Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. MISS.: *Clarke Co.*, about 8 mi. W. of Enterprise; Wautubbee; *Newton Co.*, Hickory; 2 mi. NE. of Newton on route 15. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.
Type.—Holotype, No. 35595 BEG

Levifusus mortoniopsis (Gabb) subsp. **? Fasciolariidae**

Levifusus mortoniopsis carexus (Harris), Harris and Palmer, 1947, p. 369 in part, pl. 49, figs. 9, 10; Brann and Kent, 1960, p. 493. Not *L. m.* carexus (Harris), 1895a

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery, Red R.
Type.—Figured specimen, No. 4708 PRI

Levifusus pagoda (Heilprin), Palmer, 1937
See *Levifusus* ? *pagodiformis* (Heilprin)
See also *Levifusus* sp.

Levifusus pagoda (Heilprin) "var.", Aldrich, 1911
See *Levifusus* sp.

Levifusus pagoda (Heilprin) "var.", Aldrich, 1931
See *Levifusus supraplanus* Harris

"Levifusus pagoda (Heilprin) var." **? Fasciolariidae**

Levifusus pagoda (Heilprin) var. Harris, 1896, p. 93, pl. 9, fig. 8; Aldrich, 1911, p. 11 in part Midway only; Le Blanc, 1942⁺, p. 125, pl. 16, fig. 4; Brann and Kent, 1960, p. 493

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.; "Logansport fm." (preoccupied), middle Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden; 1 mi. W. of Oak Hill P.O. LA.: *Natchitoches Par.*, rd. cut NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W.
Types.—Harris missing PRI; figured specimen, No. 3427 LSU Pal. Mus. (Le Blanc)

Levifusus pagoda prepagoda Palmer
See *Levifusus prepagoda* Palmer
See also *Levifusus* spp. (2)

Levifusus ? pagodiformis (Heilprin) **? Fasciolariidae**

Pleurotoma ? *pagoda* Heilprin, 1880, p. 149, [pl.], fig. 1 inserted in Smithsonian Misc. Coll., vol. 22, p. 149, pl. 1, fig. 1; Schuchert, *et al.*, 1905, p. 523. Not *Pleurotoma pagodus* Reeve, 1845, vol. 1, sp. 242

Fusus pagodiformis Heilprin, 1881, p. 375; new name for *Fusus pagoda* (Heilprin), 1880, p. 149. Not *Fusus pagodus* Lesson, 1831, pl. 40. "Adams and Reeve" as in Heilprin, 1881 not found; de Gregorio, 1890, p. 92

Not *Fusus pagodaeformis* Heilprin, 1891a, p. 395 = Smithville see *Levifusus* spp.

Not *Levifusus pagoda* (Heilprin) "var.", Harris, 1896, p. 93, pl. 9, fig. 8 = Midway form

Levifusus pagoda (Heilprin), Aldrich, 1897a, p. 4, pl. 3, fig. 3 holotype; Harris, 1899a, p. 51, pl. 6, fig. 10 holotype; Harris, 1899b, p. 306, pl. 54, fig. 10 copy Aldrich; Aldrich, 1931, p. 6, pl. 5, figs. 1, 2, fig. 3 not type, figs. 6, 8 var.; Palmer, 1937, pp. 333-335 in part, pl. 50, fig. 6 holotype; not figs. 1, 4, 5, 8 = Cook Mt. fm.; Le Blanc, 1942⁺, p. 124, pl. 16, figs. 3, 7; not Brann and Kent, 1960, p. 493

Fusus (Levifusus) pagodiformis (Heilprin), Cossmann, 1901b, pp. 14, 15, pl. 1, figs. 16, 17

[*Fusus*] *pagodiformis* Heilprin, Wrigley, 1927, p. 248 not *Levifusus*
Orthosurcula pagodiformis (Heilprin), Gardner, 1945, pp. 233, 234, pl. 14, fig. 4 "cotypes"

The new name *pagodiformis* was given by Heilprin, 1881 for *Pleurotoma* ? *pagoda* when he placed the species in *Fusus* because the combination was preoccupied by *Fusus pagodus* Lesson, 1831. The species does not belong in *Fusus* hence the new name was not necessary. The original name *Pleurotoma pagoda* was preoccupied by *P. pagoda* Reeve, 1845. We are, therefore, utilizing *pagodiformis* of Heilprin for the specific name although it was given for a different reason.

Range.—Lower Eocene. Pendletown Ferry fm., middle Wilcox [Sabine] gr.; Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: (type Heilprin); *Clarke Co.*, Woods Bluff, Tombigbee R. (type *fide* Aldrich); Choctaw Corners. TEXAS: *Sabine Co.*, ¼ mi. upstream from bridge over Sabine R. on La. Highway 6

Type.—Holotype [?], No. 1505 USNM

Levifusus prepagoda Palmer **? Fasciolariidae**

Levifusus pagoda prepagoda Palmer, 1937, p. 335 in part, pl. 50, figs. 7, 9 not figs. 2, 3 = *Levifusus* spp. [not fig. 4 as on expl. of pl.]; Brann and Kent, 1960, p. 493 (holotype, No. 3126 only); Nos. 3123, 3124 not *prepagoda*, *prepagoda*-like form in the Cook Mt. fm., see *Levifusus* sp.

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type). Cf. LA.: *Sabine Co.*, about 5 mi. N. of Fort Jessup (not "Lower Claiborne" as in Palmer, 1937)

Type.—Holotype, No. 3126 PRI

Levifusus regularoides (Aldrich) **? Fasciolariidae**

Fusus regularoides Aldrich, 1931, p. 8, pl. 5, fig. 9 (on pl. *Levifusus)*

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W of Camden (type)

Type.—Holotype, No. 3 GSATC

Levifusus suteri Aldrich **? Fasciolariidae**

Levifusus suteri Aldrich, 1895b, p. 11, pl. 3, fig. 4; Harris, 1896, p. 94, pl. 9, fig. 9; Aldrich, 1911, p. 11; Brann and Kent, 1960, p. 494
Fusus (Levifusus) Suteri Aldrich, Cossmann, 1901b, p. 14

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden (type); 1 mi. W. of Oak Hill

Type.—Holotype, No. 638938 USNM

Levifusus supraplanus Harris **? Fasciolariidae**

Levifusus supraplanus Harris, 1899a, p. 50, pl. 6, fig. 9; Harris, 1899b, p. 306, pl. 54, fig. 9 copy type; Le Blanc, 1942⁺, p. 127; Brann and Kent, 1960, p. 493

Levifusus pagoda (Heilprin) "var.", Aldrich, 1931, p. 6, pl. 5, fig. 7

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bells Ldg. mem. Tuscahoma fm. middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); Bells Ldg., Alabama R.; *Wilcox Co.*, Yellow Bluff, Alabama R. TEXAS: *Sabine Co.*, about ¼ mi. upstream from bridge over Sabine R. on La. Highway 6

Type.—Holotype, No. 258 PRI

Levifusus trabeatoides Harris
See *Michela trabeatoides* (Harris)

Levifusus trabeatus (Conrad) **? Fasciolariidae**

Fusus trabeatus Conrad, 1833b, p. 29 (Harris reprint, 1893, p. 51); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 53, pl. 18, fig. 1 (Harris reprint, 1893, p. 109, pl. 18, fig. 1); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 46

Fusus bicarinatus I. Lea, 1833, p. 146, pl. 5, fig. 147 young; H. C. Lea, 1849 p. 100; Harris, 1895b, p. 7 = *F. trabeatus* Conrad

Fulgur trabeatum (Conrad), Conrad, 1853, p. 317

Levifusus trabeatus (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19; Wrigley, 1927, p. 248; Gardner, 1935, p. 224, not p. 97 Midway; Palmer, 1937, p. 326, pl. 51, figs. 3, 6, 12 [fig. 12 *L. trabeatoides* in error]; pl. 85, fig. 2 type; Wenz, 1943, p. 1222, fig. 3473 copy Palmer; Shimer and Shrock, 1944, p. 501 in part, not pl. 205, fig. 20 copy Harris, 1899a = Wilcox Eocene; Gardner, 1945, p. 230 pl. 24, fig. 14; Brann and Kent, 1960, p. 494; Glibert, 1963b, p. 91 [Moseley's Ferry]

Fusus (Lirofusus) thoracicus mut. *bicarinatus* I. Lea, de Gregorio, 1890, p. 87, pl. 6, fig. 30 copy Lea

Fusus (Levifusus) trabeatus Conrad, de Gregorio, 1890, p. 86, pl. 6, fig. 39 copy Conrad; Cossmann, 1901b, p. 15. Not Clark, 1896, p. 67; not Clark and Martin, 1901, p. 138 = *Levifusus* sp.

Semifusus trabeatus (Conrad), Cossmann, 1893, p. 35

Not *Levifusus trabeatus* (Conrad), Harris, 1897a, p. 479 as "var.", pl. 22, fig. 11; not Harris, 1899a, p. 50, pl. 6, fig. 8; not Grabau, 1904, p. 2, pl. 17, fig. 7 = *Levifusus* spp.

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype ? + 3 specimens, No. 13935 ANSP, Moore, 1962, p. 103. Holotype *Fusus bicarinatus* I. Lea, No. 5756 ANSP

Levifusus trabeatus (Conrad), Clark, 1895, 1896 Clark and Martin, 1901; Harris, 1896; Harris, 1897a; Harris, 1899a, Le Blanc, 1942⁺; Shimer and Shrock, 1944 in part. Not Conrad, 1833b
See *Levifusus* spp.

Levifusus trabeatus (Conrad), var., Clark and Martin, 1901; Aldrich, 1911
See *Levifusus* spp.

Levifusus sp. **? Fasciolariidae**

Fusus (Levifusus) trabeatus Conrad, Clark, 1895, p. 4 in part; Clark, 1896, p. 67 in part
Levifusus trabeatus (Conrad), Clark and Martin, 1901, p. 138 in part

Range.—Lower Eocene. Nanjemoy fm.
Locality.—MD.: *Charles Co.*, Popes Creek
Types.—Unfigured specimens not found, 1964 JHU

Levifusus sp. **? Fasciolariidae**

Fusus sp., Clark, 1896, [no page], pl. 11, fig. 5
Tudicla (?) sp., Clark and Martin, 1901, p. 138, in part, pl. 23, fig. 4 copy Clark, 1896. Not Clark and Martin, 1901, pl. 24, fig. 6

Range.—Paleocene. Aquia fm.
Locality.—VA.: *Stafford Co.*, Aquia Cr.
Type.—Figured specimen, USNM

Levifusus sp. **? Fasciolariidae**

Levifusus bellanus (Harris), Le Blanc, 1942+, p. 126 in part. Probably not *Fusus bellanus* Harris, 1897a

Range.—Paleocene. "Logansport fm." [name preoccupied], middle Midway gr.
Locality.—LA.: *Natchitoches Par.*, road cut NE. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W., road leading west from La. Highway 404
Type.—Unfigured specimen, No. 3428 LSU Pal. Mus.

Levifusus sp. **? Fasciolariidae**

Levifusus mortoniopsis carexus (Harris), Harris and Palmer, 1947, p. 369, pl. 49, figs. 9, 10; Brann and Kent, 1960, p. 493. ? Harris, 1895a as *Fusus*

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery, Red R.
Type.—Figured specimen, No. 4708 PRI

Levifusus sp. **? Fasciolariidae**

Levifusus pagoda (Heilprin), Palmer, 1937, p. 333 in part, pl. 50, figs. 1, 4, 5, 8; Brann and Kent, 1960, p. 493 in part, Nos. 3122, 3125 only

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Localities.—LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon. MISS.: *Newton Co.*, Hickory; *Clarke Co.*, Wautubbee
Types.—Figured specimens, Nos. 3122, 3125 PRI

Levifusus sp. **? Fasciolariidae**

Levifusus pagoda Heilprin "var.", Aldrich, 1911, p. 11 in part, pl. 4, figs. 5, 6 young; lower Eocene only

The shell figured is a young specimen, therefore, probably is one of the species of *Levifusus* described from the lower Eocene of Woods Bluff or the equivalent.

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *Wilcox Co.*, Yellow Bluff, Alabama R.
Type.—Figured specimen, No. 639130 USNM

Levifusus sp. **? Fasciolariidae**

Levifusus pagoda prepagoda Palmer, 1937, p. 335 in part, pl. 50, figs. 2, 3 only; Brann and Kent, 1960, p. 493 Nos. 3123, 3124 only

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.
Types.—Figured specimens, Nos. 3123, 3124 PRI

Levifusus ? sp. **? Fasciolariidae**

Levifusus supraplanus Harris "var.", Aldrich, 1911, p. 11, pl. 4, fig. 4
No locality or range given. Figured specimen not in USNM, 1964

Levifusus sp. **? Fasciolariidae**

Levifusus trabeatus (?) (Conrad) "var.", Clark and Martin, 1901, p. 139, pl. 23, fig. 3

Range.—Lower Eocene. Nanjemoy fm.
Locality.—VA.: *King George Co.*, Woodstock
Type.—Figured specimen, USNM

Levifusus sp. **? Fasciolariidae**

Levifusus trabeatus (Conrad) var., Aldrich, 1911, p. 10, pl. 4, fig. 3; not pl. 5 as in text
No locality or range given. Figured specimen not in USNM, 1964

Cf. **Levifusus** sp. **? Fasciolariidae**

Tudicla (?) Clark and Martin, 1901, p. 138 in part, pl. 24, fig. 6; not pl. 23, fig. 4 cf. *L. pagoda* (Heilprin)

Range.—Lower Eocene. Nanjemoy fm.
Locality.—MD.: *Charles Co.*, Popes Creek
Type.—Figured specimen USNM

Levifusus sp. **? Fasciolariidae**

Fusus trabeatus (Conrad), Aldrich, 1886, pp. 52, 55, 58
Levifusus trabeatus (Conrad), var. Harris, 1896, p. 95 in part, not pl. 9, fig. 10; Le Blanc, 1942+, p. 129, pl. 15, figs. 9, 10, 12
Levifusus trabeatus (Conrad), Harris, 1897a, p. 479, pl. 22, fig. 11; Harris, 1899a, p. 50, pl. 6, fig. 8 same as Harris, 1897a, pl. 22, fig. 11; Shimer and Shrock, 1944, p. 501 in part, pl. 205, fig. 20 copy Harris, 1899a

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr.; Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R.; NE. *Washington Co.*, Hatchetigbee Bluff, Alabama R.; *Clarke Co.*, Woods Bluff, Tombigbee R.; Choctaw; *Wilcox Co.*, Yellow Bluff, Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R., Butler; *Marengo Co.*, Nanafalia Ldg., Tombigbee R. TEXAS: *Sabine Co.*, Sabinetown, Sabine R. See Le Blanc, 1942+, p. 130 for further localities.
Types.—Figured specimens, ANSP (Harris, Lea Coll., 1899a, p. 50); LSU Pal. Mus. (Le Blanc)

Levifusus sp. **? Fasciolariidae**

Levifusus trabeatus (Conrad) var., Aldrich, 1895b, p. 10, pl. 4, fig. 6; Harris, 1896, p. 95 in part, pl. 9, fig. 10 same specimen as Aldrich, 1895b

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R 6 E.

Type.—Figured specimen, No. 638937 USNM

Levifusus spp. **? Fasciolariidae**

Fusus pagodaeformis Heilprin, 1891a, p. 395

Levifusus pagoda prepagoda Palmer, 1937, p. 335 in part

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS.: *Bastrop Co.*, Smithville, Colorado R.; Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Types.—Unfigured specimens, Nos. 6705D, 6794D, 481H PRI

Limacina
See Gastropoda, Pteropoda, Part I, pp. 358, 359

Liocarenus (Nucleopsis) subvaricatus (Conrad)
See *Nucleopsis subvaricata* (Conrad)

Liotia granulata (I. Lea)
See *Solariella tricostata* (Conrad)

Liotia granulata (I. Lea), Dall, 1892; not I. Lea, 1833
See *Solariella* sp.

Lirofusus gracilis Conrad mus. label
See *Pyramimitra terebraeformis* (Conrad)

Lirofusus mississipiensis [*sic*] ? (Conrad), and var. *tepus* de Gregorio, Cossmann, 1893
See *Latirus tepus* (de Gregorio)

Lirofusus nanus (I. Lea)
See *Cochlespirella nana* (I. Lea)

Lirofusus subtenuis (Heilprin) **Fasciolariidae**

Fusus subtenuis Heilprin, 1881, p. 371, pl. 20, fig. 4; Aldrich, 1886, pp. 52, 55; de Gregorio, 1890, p. 92; Harris, 1899a, p. 42, pl. 5, fig. 4; Brann and Kent, 1960, p. 399

Lirofusus subtenuis (Heilprin), Cossmann, 1901b, p. 36; Wrigley, 1927, p. 249; Glibert, 1963a, p. 150

Not *Fusus* (?) *subtenuis* Heilprin, Clark and Martin, 1901, p. 134, pl. 22, figs. 1, 2 = cf. *Lirofusus* sp.

Range.—Lower Eocene. Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Knight's Branch, Bashi Cr. (type); Cave Branch, Bashi Cr.; Woods Bluff, Tombigbee R.; *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.

For additional Alabama localities see Aldrich, 1886 and Harris, 1899a

Type.—Holotype, No. 13246 ANSP

Lirofusus thoracicus (Conrad) **Fasciolariidae**

Fusus thoracicus Conrad, 1833b, p. 30 (Harris reprint, 1893, p. 52); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 54, pl. 18, fig. 6 (Harris reprint, 1893, p. 110, pl. 18, fig. 6); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 46

Fusus decussatus I. Lea, 1833, p. 145, pl. 5, fig. 146; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 15 = *F. Thoracicus* Conrad

Lirofusus thoracicus (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19; Tryon, 1883b, p. 142, pl. 51, fig. 56; Cossmann, 1893, p. 36; Cossmann, 1901b, p. 35, pl. 2, fig. 1; Wrigley, 1927, p. 249; Palmer, 1937, p. 348, pl. 53, figs. 1, 2, 4, 5, 12; pl. 86 fig. 1 type; Wenz, 1943, p. 1265, fig. 3602 copy Palmer; Brann and Kent, 1960, p. 500; Glibert, 1963b, p. 150

Fusus (Lirofusus) thoracicus Conrad, de Gregorio, 1890, p. 86, pl. 6, figs. 26, 27, fig. 28 copy Conrad, fig. 29 copy *F. decussatus* I. Lea; not var. *bicarinatus* I. Lea = *Levifusus trabeatus* (Conrad)

Fasciolaria errabunda de Gregorio, 1890, p. 78, pl. 6, figs. 6a-c variety

Leucozonia errabunda (de Gregorio), Cossmann, 1893, p. 36

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. Orangeburg. Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on the A. and V. R.R.; Hickory. Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Types.—Lectotype + 3 specimens, No. 17154 ANSP Moore, 1962, p. 103. Holotype *F. decussatus* I. Lea, No. 5753 ANSP

Cf. **Lirofusus** sp. **Fasciolariidae**

Fusus (?) *subtenuis* Heilprin, Clark and Martin, 1901, p. 134 in part, not pl. 22, figs. 1, 2. Not Heilprin, 1881, p. 371

Range.—Paleocene. Aquia fm.

Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr.

Type.—Figured specimen, USNM

Lisbonia expansa (Aldrich) **Nassariidae**

Ancillaria expansa Aldrich, 1886, p. 28, pl. 5, fig. 11

Ancilla expansa (Aldrich), de Gregorio, 1890, p. 55, pl. 4, fig. 1 copy Aldrich

Lisbonia expansa (Aldrich), Palmer, 1937, p. 295, pl. 40, figs. 8, 12, 13; Wenz, 1943, p. 1227, fig. 3491 copy Palmer; Brann and Kent, 1960, p. 500

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 638775 USNM

Lithophysema grande (Aldrich) **Scaphandridae**

Haminea grandis Aldrich, 1886, p. 35, pl. 3, fig. 1; Cossmann, 1895b, p. 88; Veatch, 1906, pl. 20, fig. 2 copy Dall; Stenzel, 1957, p. 888

Bulla (Haminea) grandis Aldrich, de Gregorio, 1890, p. 169, pl. 17, fig. 10 copy Aldrich
Scaphander (Bucconia) grandis (Aldrich), Dall, 1890, p. 17, pl. 10, fig. 9; Cossmann, 1895b, p. 88
Lithophysema grandis (Aldrich), Stewart, 1927, p. 438; Palmer, 1937, p. 484, pl. 76, figs. 6-9
Lithophysema grande (Aldrich), Harris and Palmer, 1947, p. 455, pl. 64, fig. 23; Brann and Kent, 1960, pp. 501, 502

Range.—Middle Eocene. See Palmer, 1937; Harris and Palmer, 1947. Upper Eocene. Tullos mem. (type), Yazoo cl., upper Jackson gr.

Localities.—LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R. (type); ½ mi. below and 1 mi. above Gibsons Ldg., Ouachita R.; *Grant Par.* Montgomery Ldg., lower layer, ½ mi. below ferry, Red R.; MISS.: *Hinds Co.*, Town Cr., Jackson. TEXAS: *Angelina Co.*, near top of S. side of Angelina R., bank at Marion on N. line of Angelina Co.; Angelina R. 2 mi. above Marion; "Angelina Co., Texas southeast corner of Eliz. Bridges Sur. Taber Switch, T. & N. O. Just northwest of Shawnee Sta. '*Textularia dibollensis*' zone of the basal Jackson Eocene . . . Sent by L. C. Reed" Harris and Palmer, 1947, p. 11 locality 744

Type.—Holotype, No. 638790 USNM

Litiopa marylandica Clark and Martin **Litiopidae**
Litiopa marylandica Clark and Martin, 1901, p. 152, pl. 28, figs. 6, 6a

Range.—Paleocene. Aquia fm. (type)

Locality.—VA.: *King George Co.*, 2 mi. below Potomac Creek (type)

Type.—Holotype, USNM

Litiopa spirata (Meyer) **Litiopidae**
Cerithioderma spirata Meyer, 1887a, p. 8, pl. 1, fig. 7
Litiopa spirata (Meyer), Dall, 1892, pp. 292, 293; Harris and Palmer, 1947, p. 300, pl. 30, fig. 1 copy Meyer
Truncaria spirata (Meyer), Cossmann, 1893, p. 33

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638877 USNM

Littorina antiquata Conrad
See *Gegania antiquata* (Conrad)

Littorina fervens de Gregorio
See *Actaeonema sulcatum* (I. Lea)

Longchaeus larvata (Conrad)
See *Pyramidella (Longchaeus) larvata* Conrad

Lovenella Jacksonensis (Meyer)
See *Cerithiella jacksonensis* (Meyer)

Lovenella nassula (Conrad)
See *Cerithiella nassula* (Conrad)

Lunatia eminula (Conrad)
See *Polinices eminulus* (Conrad)

Lunatia marylandica Conrad
See *Euspira marylandica* (Conrad)

Lunatia minima I. Lea, Dall
See *Euspira leana* (Palmer) in part
See *Euspira jacksonensis* Palmer in part

"Lunatia" moorei Gabb **Naticidae**

Lunatia moorei Gabb, 1860d, p. 384, pl. 67, fig. 34; Conrad, 1865a, p. 26; Conrad, 1866a, p. 15; Dall, 1892, p. 371
? *Natica Moorei* (Gabb), Heilprin, 1891a, p. 399
"Lunatia" moorei Gabb, Palmer, 1937, p. 132, pl. 13, fig. 11 copy Gabb

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: "Caldwell Co." (Gabb type) =*Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11)
Type.—Holotype, probably lost

Lunatia newtonensis (Meyer and Aldrich)
See *Euspira newtonensis* (Meyer and Aldrich)

Lunatia parva (I. Lea)
See *Polinices eminulus* (Conrad)

Lunatia perspecta (Whitfield)
See *Euspira perspecta* (Whitfield)

Lunatia seminula Conrad, Cossmann, 1925b, p. 135 is probably a misspelling of *semilunata* I. Lea not Conrad [*fide* Palmer, 1937, p. 133].
See *"Natica" semilunata* I. Lea

"Lunatia" sp. **Naticidae**

Lunatia Halli Gabb, Whitfield, 1892, p. 175 in part, pl. 21, figs. 10, 11 only; Whitfield, 1899, p. 171. Not Gabb, 1860d, p. 391 Cretaceous

Range.—Lower Eocene. Vincentown fm.
Locality.—N.J.: Timber Cr. boundary between Gloucester and Camden Cos.
Type.—Figured specimen, No. 8990/1 AMNH

Lupia perovata (Conrad)
See *Crommium perovatum* (Conrad)

Lydiphnis novicastri (Van Winkle) **Cyclostrematidae**

Adeorbis novi-castri VanWinkle *in* Van Winkle and Harris, 1919, p. 9, pl. 1, figs. 11, 12; Brann and Kent, 1960, p. 27
Lydiphnis novi-castri (Van Winkle), Palmer, 1937, p. 48, pl. 2, figs. 4, 5; Brann and Kent, 1960, p. 514

Range.—Lower Eocene. Nanjemoy fm. (type)
Locality.—VA.: *Hanover Co.*, Newcastle, S. side Pamunkey R., ¾-1 mi. E. of bridge on U.S. 360 (type)
Type.—Holotype, No. 1399 PRI

Lyria citrusensis Palmer **Volutidae**

Lyria citrusensis Palmer *in* Richards and Palmer, 1953, p. 38, pl. 8, fig. 7

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Citrus Co.*, Dunnellon Phosphate Mining Co., SE. ¼ sec. 10, T. 18 S., R. 19 E. (type)
Type.—Holotype, (plastotype), No. I-7629 Fla. Geol. Sur.

Lyria lyroidea (Aldrich) **Volutidae**

Volutalithes [*sic*] *lyroidea* Aldrich, 1894b, p. 245, pl. 13, fig. 7
Voluta lyroidea (Aldrich), Harris, 1896, p. 82, pl. 7, fig. 22
Lyria lyroidea (Aldrich), Cossmann, 1899b, p. 114

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, Palmer's Mill; vicinity of Prairie Cr. near Allenton and W. W. McConnico's plantation (type); 1½ mi. SW. of Palmer's Mill
Type.—Holotype, No. 111844 USNM

Lyria pycnopleura eocenia Palmer **Volutidae**

Lyria pycnopleura eocenia Palmer *in* Richards and Palmer, 1953, p. 38, pl. 5, figs. 1, 14

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7630; paratype, No. I-7631 Fla. Geol. Sur.

Lyria wilcoxiana Aldrich **Volutidae**

Lyria wilcoxiana Aldrich, 1894b, p. 243, pl. 12, fig. 4; Harris, 1896, p. 85, pl. 8, fig. 5; Cossmann, 1899b, p. 114 as *Willcoxiana;* Brann and Kent, 1960, p. 515

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, on or near McConnico's plantation (type); 1 mi. N. of Midway
Type.—Holotype, No. 111907 USNM

Lyria sp. **Volutidae**

Lyria sp. ind. Dall, 1890, p. 69 "nucleus small, simple"

Range.—Paleocene. "Prairie Creek beds" (Dall), Clayton fm., lower Midway gr.
Locality.—ALA.: *Wilcox Co.*, Prairie Creek, "near Allenton" (Aldrich, 1894b, p. 240)
Type.—Unfigured specimen possibly USNM

Lyria sp. **Volutidae**

Lyria sp. Gardner, 1935, p. 242

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Guadalupe Co.*, 2.8 mi. SW. of Staples, 5 mi. E. by S. of Zorn
Types.—Unfigured specimens probably USNM

Lyria sp. **Volutidae**

Lyria sp. Gardner, 1935, p. 243

Range.—Paleocene. Tehuacana mem., Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Limestone Co.*, 2½ mi. NW. of Groesbeck

Type.—Unfigured specimen, probably USNM

Lyria ? sp. **Volutidae**

Lyria ? sp. Gardner, 1935, p. 241

Range.—Paleocene. Kincaid fm., lower Jackson gr.

Locality.—TEXAS: *Caldwell Co.*, 5½ mi. due N. of Lockhart on the A. E. Moser farm about ½ mi. NW. of Simms Oil Co. Moser No. 1

Types.—Unfigured specimens probably USNM

Lyria ? sp. Dall, 1890, p. 69, pl. 6, fig. 5a
See *Lyrischapa harrisi* Aldrich

Lyrischapa harrisi Aldrich **Volutidae**

Lyria ? sp. Dall, 1890, p. 69, pl. 6, fig. 5a
Voluta sp. Dall, 1890, pp. 77, 90, pl. 6, fig. 5a
Lyrischapa harrisi Aldrich, 1911, p. 11, pl. 4, fig. 8; Palmer, 1937, p. 399, pl. 57, figs. 1, 2 holotype; Wenz, 1943, p. 1333 [with ?], fig. 3784 copy Palmer holotype; Brann and Kent, 1960, p. 515

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Clarke Co.*, 3½ mi. S. of Quitman (type); 4½ mi. SW. from Enterprise; *Newton Co.*, 2½ mi. NE. of Newton on route 15

Type.—Holotype, No. 2355 PRI

Lyrosurcula acuta Casey Pl. 5, figs. 1, 2 **Turridae**

Lyrosurcula acuta Casey, 1904, pp. 156, 157

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Winn Par.*, St. Maurice (type)

Type.—Lectotype, No. 494367 USNM

? *Lyrosurcula beaumonti* (I. Lea)
See *Eosurcula beaumonti* (I. Lea)

Lyrosurcula columbiana Harris **Turridae**

Lyrosurcula columbiana Harris, 1937, p. 85, pl. 14, fig. 4; Brann and Kent, 1960, p. 515

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)

Type.—Holotype, No. 2602 PRI

Lyrosurcula dalli (Cossmann) **Turridae**

Peratotoma Dalli Cossmann, 1893, p. 47, pl. 2, fig. 15; Cossmann, 1896b, p. 136

Lyrosurcula dalli (Cossmann), Harris, 1937, p. 83, pl. 13, figs. 42, 43; Brann and Kent, 1960, p. 515

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Syntypes (9), No. 11555, Lab. Géol., Sorbonne, Paris

Lyrosurcula dalli quadrivaricata Harris **Turridae**

Lyrosurcula dalli quadrivaricata Harris, 1937, p. 83, pl. 13, figs. 44-46; Brann and Kent, 1960, pp. 515, 516. See No. 481551 USNM Casey = *nomen nudum*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)

Types.—Holotype, No. 2597a; paratypes, Nos. 2597b, 2597c PRI

Lyrosurcula elegans Casey **Turridae**

Lyrosurcula elegans Casey, 1904, pp. 156, 157; Harris, 1937, p. 81, pl. 13, fig. 34 holotype

L. elegans Casey was in 1937, (p. 82) designated ambiguously by Harris as the type species of *Lyrosurcula* Casey. Harris' statement (1937) page 80 is not a type designation. On page 82 his designation "Holotype and genotype species here figured—U.S. Nat. Museum", was meant to be in 10 point letters hence is text by Harris. The line set in 8 point appears to refer to Casey's original description which it is not. *Lyrosurcula elegans* Casey is herein designated as the type species of *Lyrosurcula* Casey, 1904

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Winn Par.*, St. Maurice (type)

Type.—Holotype, No. 643739 USNM labeled as "syntype" but there is only one specimen.

Lyrosurcula funiculigera (Cossmann) **Turridae**

Peratotoma funiculigera Cossmann, 1893, p. 47, pl. 2, fig. 16; Cossmann, 1896b, p. 136

Lyrosurcula funiculigera (Cossmann), Harris, 1937, p. 82, pl. 13, figs. 40, 41; Brann and Kent, 1960, p. 516

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Syntypes (7), No. 11553 Lab. Géol., Sorbonne, Paris

Lyrosurcula gibbera Harris **Turridae**

Lyrosurcula gibbera Harris, 1937, p. 82, pl. 13, figs. 35-37; Brann and Kent, 1960, p. 516

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.
Types.—Holotype, No. 2592; paratypes, Nos. 2591, 2593 PRI

Lyrosurcula obsoleta Casey Pl. 5, figs. 12, 13 **Turridae**

Lyrosurcula obsoleta Casey, 1904, p. 157

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Lectotype, No. 494368 USNM

Lyrosurcula sexvaricosa Harris **Turridae**

Lyrosurcula sexvaricosa Harris, 1937, p. 84, pl. 14, figs. 1, 2; Brann and Kent, 1960, p. 516

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, No. 2598a; paratype, No. 2598b PRI

Lyrosurcula shaleri (Vaughan) **Turridae**

Pleurotoma shaleri Vaughan, 1896, p. 33, pl. 2, fig. 4
Asthenotoma shaleri (Vaughan), Casey, 1904, p. 149
Lyrosurcula shaleri (Vaughan), Harris, 1937, p. 84, pl. 14, figs. 3, 3a; Brann and Kent, 1960, p. 516

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; Gosport sd., uppermost Claiborne gr.
Localities.—LA.: *Jackson Par.*, 10 mi. W. of Liberty Hill on road to Vernon (type). MISS.: *Newton Co.*, Hickory. ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Not found, La. Geol. Sur. nor LSU Pal. Mus., 1964

Lyrosurcula sylvaerupis (Harris) **Turridae**

Pleurotoma vaughani Harris "var.", Harris, 1897a, p. 475, pl. 20, fig. 9
Pleurotoma vaughani sylvaerupis Harris, 1899a, p. 14, pl. 2, fig. 2 copy Harris, 1897a
Lyrosurcula sylvaerupis (Harris), Casey, 1904, p. 157; Harris, 1937, p. 81

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm. upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 6572 ANSP

Lyrosurcula vaughani (Harris) **Turridae**

Pleurotoma vaughani Harris, 1895a, p. 57, pl. 4, fig. 8
Lyrosurcula vaughani (Harris), Casey, 1904, p. 157; Harris, 1937, p. 82, pl. 13, fig. 38; fig. 39 holotype; Brann and Kent, 1960, p. 516

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Houston Co.*, Hurricane Bayou, Marster's Survey
Type.—Holotype, No. 35616 BEG

Macilentos texanus (Harris)
See *Ectinochilus texanum* (Harris)

Macron philadelphicus Harris
See *Cornulina philadelphica* (Harris)

? *Macron* sp. Dall, 1890
See *Cornulina dalli* (Harris)

Maculopeplum showalteri (Aldrich) ?
See *Scaphella showalteri* (Aldrich)

Maculopeplum sp. Gardner, 1935
See *Scaphella* sp.

Mambrinia koureos Gardner
See *Galeodea (Mambrinia) koureos* Gardner

Mangelia infans Meyer, Harris, 1895a. Not Meyer, 1886b
See *Microdrillia infans bicincta* (Harris)

Mangelia meridionalis Meyer
See *Eoclathurella meridionalis* (Meyer)

Mangelia schotti Gardner **Turridae**

Mangelia schotti Gardner, 1935, p. 222, pl. 20, figs. 13, 14

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Locality.—TEXAS: *Uvalde Co.*, a few hundred yards S. of junction of Elm Cr. with Sabinal Cr., Schuddemagen ranch, 11 mi. S. of Sabinal (type)
Type.—Holotype, No. 370997 USNM

Mangilia see *Mangelia*

Mangilia [*sic*] *(Pleurotomella) bellistriata* Clark
See cf. *Pseudotoma bellistriata* (Clark)

Mangilia [*sic*] *infans* Meyer, Harris, 1899a, in part, Not Meyer, 1886b, p. 75
See *Microdrillia* sp.

Marginella americana Conrad
See *Prunum (Leptegouana) columba* (I. Lea)

Marginella anatina I. Lea
See *Cryptospira (Euryentome) silabra* (Palmer)

Marginella biplicata I. Lea
See *Ringicula biplicata* (I. Lea)

Marginella columba I. Lea
See *Prunum (Leptegouana) columba* (I. Lea)

"Marginella" constricta Conrad **Marginellidae**

Marginella constricta Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 46, pl. 16, fig. 15 (Harris reprint, 1893, p. 102, pl. 16, fig. 15); d'Orbigny, 1850, p. 351; Conrad, 1866a, p. 16; Conrad, 1870, p. 78; Redfield, 1871, pp. 219, 262; de Gregorio, 1890, p. 62, pl. 4, fig. 48 copy Conrad; subgenus *Glabella;* Dall, 1890, p. 57; Cossmann,

1893, p. 39; Harris, 1895b, p. 12. Not *M. constricta* Hinds, 1844, p. 74; not *M. constricta* Emmons, 1858, p. 261
Erato ? constricta (Conrad), Conrad, 1865a, p. 25
Marginella (Eratoidea) constricta Conrad, Cossmann, 1899b, p. 88
"Marginella" constricta Conrad, Palmer, 1937, p. 416, pl. 67, fig. 3 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Probably lost *fide* Palmer, 1937, p. 416; Harris, 1895b, p. 12. Possible type No. 30553 ANSP Moore, 1962, p. 49

Marginella (Dentimargo) constrictoides Meyer and Aldrich
Marginellidae

Marginella constrictoides Meyer and Aldrich, 1886, p. 44, pl. 2, fig. 10; Dall, 1890, p. 57; Cossmann, 1893, p. 39; Palmer, 1937, p. 415, pl. 67, figs. 2, 7, 12; Brann and Kent, 1960, p. 528
Marginella (Eratoidea) constrictoides Meyer [and Aldrich], Cossmann, 1899b, p. 88

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Newton (type); Hickory; Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; 2 mi. NE. of Newton on route 15; *Clarke Co.*, about 8 mi. W. of Enterprise. Wautubbee. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. LA.: *Ouachita Par.*, well at Monroe. TEXAS: Cf. *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Sabine Co.*, Sabine R., Texas side, opposite SW. corner of SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 638743 USNM

Marginella crassilabra Conrad. Not I. Lea, 1833
See *Cryptospira (Euryentome) silabra* (Palmer)

Marginella crassilabra I. Lea. Not Conrad, 1833b
See *Prunum (Leptegouana) columba* (I. Lea)

Marginella (Volvaria) gabbiana Aldrich, ms.
See *Volvaria gabbiana* Harris

Marginella humerosa Conrad
See *Prunum (Leptegouana) columba* (I. Lea)

Marginella incurva I. Lea
See *Prunum (Leptegouana) columba* (I. Lea)

Marginella incurva jacksonensis Meyer
See *Bullata semen jacksonensis* (Meyer)

Marginella jacksonensis Meyer
See *Bullata semen jacksonensis* (Meyer)

Marginella larvata Conrad
See *Bullata larvata* (Conrad)

Marginella minima (I. Lea)
See *Bullata semen minima* (I. Lea)

Marginella ovata I. Lea
See *Bullata larvata* (I. Lea)

Marginella ovata Emmons, 1858. Not I. Lea, 1833
See *Bullata semen* (I. Lea)

Marginella plicata I. Lea
See *Bullata plicata* (I. Lea)

Marginella semen I. Lea
See *Bullata semen* (I. Lea)

Marginella semen I. Lea, Heilprin, 1891a in part
See *Bullata semenoides* (Gabb)

Marginella (Volutella) semen var. *exilarata* de Gregorio [*esilarata* in text]
See *Bullata semen exilarata* (de Gregorio)

Marginella (Volutella) semen var. *linda* de Gregorio
See *Bullata semen* (I. Lea)

Marginella (Volutella) semen var. *propenitidula* de Gregorio
See *Bullata semen exilarata* (de Gregorio)

Marginella semenoides (Gabb)
See *Bullata semenoides* (Gabb)

Marginella silabra Palmer
See *Cryptospira (Euryentome) silabra* (Palmer)

"Marginella ?" sp. **Marginellidae**
Marginella ? sp. Gardner, 1935, p. 231

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Medina Co.*, 5 mi. SE. of Elstone
Types.—Figured specimens (3) probably USNM

"Marginella" ? sp. **Marginellidae**
Marginella sp. Kellum, 1926, p. 30, pl. 5, fig. 18

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Localities.—N.C.: *Pender Co.*, old Rocky Point; *New Hanover Co.*, Wilmington; *Onslow Co.*, 10 mi. NW. Jacksonville
Type.—Figured specimen, No. 353274 USNM

Marginella sp. Conrad, 1870a
See *Bullata semen* (I. Lea)

Mathilda claibornensis Aldrich **Mathildidae**
Mathilda claibornensis Aldrich, 1887, p. 83; Palmer, 1937, p. 88, pl. 9, fig. 1 copy Aldrich
Tuba (Mathilda) claibornensis Aldrich, Aldrich, 1895b, p. 15, pl. 1, fig 7

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638864 USNM

Mathilda elongatoides Aldrich **Mathildidae**

Mathilda elongatoides Aldrich, 1907, p. 10, pl. 1, fig. 6

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 639045 USNM

Mathilda leana Aldrich **Mathildidae**

Tuba (Mathilda) leana Aldrich, 1897a, p. 14, pl. 1, fig. 2
Mathilda leana Aldrich, Harris, 1899a, p. 96, pl. 12, fig. 9 type; Cossmann, 1912b, p. 13. Not *M. leona* [*sic*] Aldrich, 1907, p. 10, pl. 1, figs. 4, 5

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type)
Types.—Possible syntypes, No. 638994 USNM

Mathilda leona Aldrich **Mathildidae**

Mathilda leona [*sic*] Aldrich, 1907, p. 10, pl. 1, figs. 4, 5. Not *M. leana* Aldrich, 1897a, p. 14, pl. 1, fig. 2

M. leana was described by Aldrich from the Wilcox Eocene. In 1907 Aldrich identified a specimen from the Midway gr. as *M. leana* misspelling the specific name *leona.* We believe the two are not the same species and, therefore, retain *leona*, which is distinct in spelling from *leana*, for the name for the Paleocene species.

Range.—Paleocene. Naheola fm. (type), upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, 1 mi. W. of Oak Hill (type)
Type.—Holotype, No. 639047 USNM

Mathilda pulchra (Meyer)
See *Acrocoelum cancellatum* (H. C. Lea)

Mathilda regularis (Meyer), of authors, not Meyer, 1886b = Oligocene. See *Mathilda* sp.

Mathilda regularis Aldrich *in* Palmer, 1937; Harris and Palmer, 1947 See *Mathilda* sp.

Mathilda retisculpta (Meyer and Aldrich) **Mathildidae**

Eglisia retisculpta Meyer and Aldrich, 1886, p. 42, pl. 2, fig. 9
Mathilda retisculpta (Meyer and Aldrich), Cossmann, 1893, p. 30; Palmer, 1937, p. 87, pl. 9, fig. 2
Scalaria staminea (Conrad), de Gregorio, 1890, p. 130 in part, pl. 12, fig. 3 copy Meyer and Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Clarke Co.*, Wautubbee (type)
Type.—Holotype, No. 638732 USNM

Mathilda retisculpta aldrichi Palmer **Mathildidae**

Mathilda retisculpta aldrichi Palmer, 1937, p. 87, pl. 9, figs. 11, 14; Brann and Kent, 1960, pp. 535, 536

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Localities.—S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg (type)
Types.—Holotype, No. 2742; paratype, No. 2741 PRI

Mathilda singularis Aldrich **Mathildidae**

Mathilda singularis Aldrich, 1907, p. 10, pl. 1, fig. 11

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 639046 USNM

Mathilda sp. **Mathildidae**

Mathilda regularis Meyer, Aldrich *in* Palmer, 1937, p. 89 not *M. regularis* Meyer, 1886b or 1887a; Harris and Palmer, 1947, p. 235 Aldrich report

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Specimen, unknown

Mathilda sp. **Mathildidae**

Mathilda regularis Meyer, 1887a, p. 5, pl. 1, fig. 12, pl. 2, fig. 3 Red Bluff Oligocene; Dall, 1892, p. 320 Jackson Eocene; Cossmann, 1893, p. 30 Jackson Eocene; Palmer, 1937, p. 89 in part, not pl. 9, fig. 7 copy Meyer, 1886b, Red Bluff; Harris and Palmer, 1947, p. 234 in part, pl. 28, fig. 9 copy Meyer, 1887a. Not Meyer, 1886b, p. 63

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson

Type.—Figured specimen, No. 638870 USNM

Mathildia [*sic*] *inaequistriata* (Meyer), Cossmann, 1912b, p. 10 not Eocene (= Oligocene)

Mazzalina dalli Harris
See *Cornulina dalli* (Harris)

Cf. **Mazzalina impressa** (Gabb) **Fasciolariidae**

Neptunea impressa Gabb, 1860d, p. 389, pl. 68, fig. 5
Mazzalina impressa (Gabb), Harris, 1896, p. 92, pl. 9, figs. 5, 6 Gabb's types
Lathyrus (Leucozonia) impressus (Gabb), Cossmann, 1901b, p. 52
Neptunea impressa Gabb ?, Gardner, 1935, p. 251

Range.—Paleocene. Upper Midway gr. (type)

Locality.—TENN.: *Hardeman Co.*, 2 mi. SSE. of Middleton (type)

Types.—Syntypes, unknown. Type was in Safford Coll. seen by Harris, 1896

Cf. **Mazzalina impressa orientalis** Harris **Fasciolariidae**

Mazzalina impressa var. *orientalis* Harris, 1896, p. 93, pl. 9, fig. 7; Brann and Kent, 1960, p. 536

Range.—Paleocene. Lower Midway gr. (type)

Locality.—GA.: *Clay Co.*, Chattahoochee R. (type)

Type.—Holotype, lost prior to 1937 PRI

Mazzalina inaurata (Conrad) **Fasciolariidae**

Fusus inauratus Conrad, 1833b, p. 29 not illustrated (Harris reprint, 1893, p. 51); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 53, pl. 18, fig. 2 (Harris reprint, 1893, p. 109, pl. 18, fig. 2); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 23

Fusus Fittonii I. Lea, 1833, p. 150, pl. 5, fig. 156; H. C. Lea, 1849, p. 100; Harris 1895b p. 19 =*F. inauratus* Conrad

Bulbifusus inauratus (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19; Aldrich, 1886, p. 23, pl. 6, fig. 11; Heilprin, 1891a, p. 396 in part, not Alum Creek Bluff

Fusus (Bulbifusus) inauratus Conrad, Heilprin, 1879b, p. 223; de Gregorio, 1890, p. 88, pl. 6, figs. 33, 34, fig. 35 copy Conrad, fig. 36 copy *F. Fittonii* I. Lea, fig. 38 copy Aldrich

Melongena (Bulbifusus) inaurata (Conrad), Tryon, 1883b, p. 135, pl. 51, fig. 47

Strepsidura inaurata (Conrad), Cossmann, 1893, p. 35

Mazzalina inaurata (Conrad), Harris, 1894b, p. 164, pl. 7, fig. 6; not Harris, 1897a, p. 473, pl. 18, fig. 14 as var. =*M. inaurata oweni;* Schuchert, *et al.*, 1905, p. 393; Palmer, 1937, p. 349 in part, pl. 47, figs. 1, 7; pl. 86, fig. 8 type; Harris and Palmer, 1947, p. 382, pl. 52, fig. 6 cf. *M. humerosa;* Brann and Kent, 1960, p. 536; Glibert, 1963b, p. 91

Sycum (Bulbifusus) inauratum (Conrad), Cossmann, 1901b, p. 81, pl. 3, figs. 6, 7

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—"Holotype", Palmer, 1937, p. 350, pl. 86, fig. 8; "syntypes" (6), No. 13860 ANSP *fide* Moore, 1962, p. 66. Holotype *F. Fittonii* I. Lea, No. 5797 ANSP

Mazzalina inaurata (Conrad) var., Harris, 1894b, p. 165, pl. 7, figs. 3 (?), 5
See *Mazzalina inaurata humerosa* Harris

Mazzalina inaurata (Conrad) var., Harris, 1897a, p. 473, pl. 18, fig. 14
See *Mazzalina inaurata oweni* (Dall)

Mazzalina inaurata dalli Harris
See *Cornulina dalli* (Harris)

Mazzalina inaurata humerosa Harris **Fasciolariidae**

Mazzalina inaurata humerosa Harris, 1894b, pl. 7, fig. 4 [text under *M. inaurata* p. 165]; Schuchert, *et al.*, 1905, p. 393; Palmer, 1937, p. 352, pl. 47, fig. 10 copy, Harris; Harris and Palmer, 1947, p. 384, pl. 52, figs. 1, 3-5; fig. 2 copy Harris; Wilbert, 1953, p. 99; Brann and Kent, 1960, p. 536

Mazzalina inaurata (Conrad) var., Harris, 1894b, p. 165, pl. 7, figs. 3 (?), 5

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.

Localities.—ARK.: *St. Francis Co.*, Crow Cr. at bridge; *Jefferson Co.*, White Bluff, W. and S. bank Arkansas R. (type, Harris, 1894b); *Cleveland Co.*, well at Rison (type, Schuchert, *et al.*, 1905)

Type.—Holotype, No. 135130 USNM

Mazzalina inaurata oweni Dall **Fasciolariidae**

Fusus sp. Owen, 1860, p. 35, pl. 9, fig. 1

Fusus Fittonii Owen, 1860, p. 35 probably not I. Lea, 1833

Mazzalina Oweni Dall, 1890, p. 105; Dall, 1892, p. 233; Schuchert, *et al.*, 1905, p. 394

Fasciolaria oweni (Dall), Dall *in* Call, 1891, p. 8 ft. note; Harris, 1894b, p. 165, pl. 7, fig. 1 as *Mazzalina inaurata oweni*

Mazzalina inaurata oweni Dall, Harris, 1894b, p. 165, pl. 7, fig. 1; Schuchert, *et al.*, 1905, p. 394; Palmer, 1937, p. 351, pl. 47, figs. 2, 11; fig. 8 copy *Fusus* sp. Owen; Harris and Palmer, 1947, p. 383, pl. 52, figs. 7-10; Wilbert, 1953, p. 123, pl. 2, fig. 14; Brann and Kent, 1960, p. 536; Glibert, 1962b, p. 91

Mazzalina inaurata (Conrad) var., Harris, 1897a, p. 473, pl. 18, fig. 14

Lathyrus (Leucozonia) Oweni (Dall), Cossmann, 1901b, p. 52

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.

Localities.—ARK.: *Jefferson Co.*, White Bluff (type), W. bank and S. bank Arkansas R.; *St. Francis Co.*, Crow Cr., at bridge. MISS.: *Hinds Co.*, Jackson

Type.—Holotype, No. 135103 USNM

Mazzalina inaurata pyrula Conrad **Fasciolariidae**

Mazzalina pyrula Conrad, 1860, p. 295 in part, not pl. 9, fig. 1; Conrad, 1865a, p. 23; Conrad, 1866a, p. 32; de Gregorio, 1890, p. 71, pl. 6, fig. 1 under *Turbinella* [copy Tryon which Dall cf. *M. costata* Dall, 1890, p. 106]; Harris, 1894b, p. 165, pl. 7, fig. 2 *inaurata* ? var. type *M. pyrula;* Cossmann, 1893, p. 35 as *pirula*

Leucozonia (Mazzalina) pyrula Conrad, Tryon, 1883b, p. 133, pl. 48, fig. 100

Lathyrus (Leucozonia) pirulus (Conrad), Cossmann, 1901b, p. 51

Mazzalina inaurata pyrula Conrad, Palmer, 1937, p. 350, pl. 85, fig. 13 type; Wenz, 1943, p. 1221, fig. 3472 copy Tryon; Harris and Palmer, 1947, p. 382, pl. 52, fig. 11; Brann and Kent, 1960, p. 537

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr. Cf. upper Eocene. White Bluff fm., lower Jackson gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. ARK.: *St. Francis Co.*, Crow Creek, 2 mi. E. of Forrest City

Type.—Holotype, No. 13932 ANSP Moore, 1962, p. 91

Mazzalina oweni Dall
See *Mazzalina inaurata oweni* Dall

Mazzalina plena (Aldrich) **Fasciolariidae**

Bulbifusus plenus Aldrich, 1886, p. 23, pl. 6, fig. 7

Fusus (Bulbifusus) plenus Aldrich, de Gregorio, 1890, p. 87, pl. 6, fig. 23 copy Aldrich

Mazzalina var. *plenus* (Aldrich), Harris, 1899a, p. 54, pl. 7, fig. 5 holotype

Mazzalina plena (Aldrich), Harris, 1899b, p. 306, pl. 54, fig. 12 copy Harris, 1899a; Le Blanc, 1942^{+}, p. 130, pl. 19, figs. 15, 17

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type). TEXAS: *Sabine Co.*, ¼ mi. upstream from bridge over Sabine R. on La. Highway 6. LA.: *Natchitoches Par.*, road cut NE. ¼ SW. ¼ NE. ¼ sec. 19, T. 9 N., R. 8 W.

Type.—Holotype, No. 638761 USNM

Mazzalina pirula [*sic*] Conrad
See *Mazzalina inaurata pyrula* Conrad

Mazzalina pyrula Conrad
See *Mazzalina inaurata pyrula* Conrad

Mazzalina tuomeyi (Aldrich) **Fasciolariidae**

Bulbifusus Tuomeyi Aldrich, 1886, p. 23, pl. 6, figs. 12, 12a

Fusus (Bulbifusus) Tuomeyi Aldrich, de Gregorio, 1890, p. 87, pl. 6, figs. 31, 32 copies Aldrich

Sipho tuomeyi (Aldrich), Harris, 1899a, p. 48, pl. 6, fig. 5; Brann and Kent, 1960, p. 799

Range.—Lower Eocene. Tuscahoma fm. (type), middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (syntype); Greggs Ldg., Alabama R. (syntype)

Types.—Syntype, No. 638763 USNM (fig. 12a young specimen, Greggs Ldg.); syntype (fig. 12 Bells Ldg.) missing USNM, 1964

Megatylotus crassatinus (Lamarck), de Gregorio, 1890
See *Ampullina* sp.

Meioceras, Mioceras
See Gastropoda (Pteropoda) Part I, p. 359

Meioceras corpulenta (Meyer)
See *Clio (Creseis) corpulenta* (Meyer) in Gastropoda, Pteropoda Part I

Meioceras eocaenense (Meyer)
See *Bovicornu gracile* Meyer in Gastropoda, Pteropoda Part I

Meioceras eocenense (Meyer), Dall, 1892 in part
See *Bovicornu gracile* Meyer in Gastropoda, Pteropoda Part I
See also *Clio (Creseis) corpulenta* (Meyer) in Gastropoda, Pteropoda Part I

Melanella aciculata (I. Lea)
See *Balcis aciculata* (I. Lea)

Melanella claibornia Palmer
See *Balcis claibornia* (Palmer)

Melanella exilis (Gabb)
See *Balcis exilis* (Gabb)

Melanella exilis (Gabb), Palmer, 1937 in part, S. C. Not Gabb, 1860d
See *Balcis* spp.

Melanella extremis (Aldrich)
See *Eulima extremis* Aldrich

Melanella jacksonensis (de Gregorio)
See *Eulima jacksonensis* de Gregorio

Melanella notata (I. Lea)
See *Balcis notata* (I. Lea)

Melanella tenaxa Palmer
See *Eulima tenaxa* (Palmer)

Melanella tenua Gabb
See *Balcis tenua* (Gabb)

Melanella wheeleri Palmer
See *Balcis wheeleri* (Palmer)

Melania clairbornensis (Heilprin)
See *Bayania claibornensis* (Heilprin)

Melania sylvaerupsis Harris
See *Elimia sylvaerupsis* (Harris)

Melania trigemmata (Conrad)
See *Elimia trigemmata* (Conrad)

Cf. *Melania texana* (Heilprin) Dall, 1892; Dall in Palmer, 1937. Not *Cerithium texanum* Heilprin, 1881a
See *Texmelanatria angeloi* Gardner

Melania vetusta Conrad
See *Mesalia vetusta* (Conrad)

Melanopsis anita Aldrich **Thiaridae**

Melanopsis anita Aldrich, 1886, p. 35, pl. 5, fig. 12; Harris, 1899a, p. 77, pl. 10, fig. 11 holotype

Pasithea anita (Aldrich), de Gregorio, 1890, p. 164, pl. 16, fig. 15 copy Aldrich

Melanopsis planoidea Aldrich, 1895b, p. 15, pl. 2, fig. 7; Harris, 1899a, p. 77, pl. 10, fig. 10 copy Aldrich

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)

Types.—Holotype, No. 638788 USNM. Holotype, *M. planoidea* Aldrich, No. 638955 USNM

Melanopsis choctavensis Aldrich
See *Bulliopsis choctavensis* (Aldrich)

Melanopsis planoidea Aldrich
See *Melanopsis anita* Aldrich

Meleagris antiquatus (Conrad)
See *Gegania antiquata* (Conrad)

Melongena alveata Conrad
See *Lacinia alveata* (Conrad)

Melongena armigera Conrad
See *Cornulina armigera* (Conrad)

Melongena cooperi (Conrad)
See *"Papillina" cooperi* (Conrad)

Melongena (Bulbifusus) inaurata (Conrad)
See *Mazzalina inaurata* (Conrad)

Melongena potomacensis Clark and Martin
See cf. *Streptochetus potomacensis* (Clark and Martin)

Menestho (Evalea) melanella (I. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Menestho striata (I. Lea)
See *"Pasithea" striata* I. Lea

Mesalia alabamiensis (Whitfield) **Turritellidae**

Potamides Alabamiensis Whitfield, 1865, p. 266, pl. 27, fig. 13; Dall, 1892, p. 287; not Harris, 1894b, pp. 26, 29, 30, 46 = *Mesalia pumila* (Gabb); Whitfield, 1899, p. 174; not Stephenson and Crider, 1916, pp. 49, 53 = *Mesalia* sp.; Henderson, 1935, pp. 38, 205

Turritella vittata abruta [*sic*] Conrad, de Gregorio, 1890, p. 124 in part, pl. 11, fig. 12 copy Whitfield

Mesalia alabamiensis (Whitfield), not Harris, 1896, pp. 17 = *M. pumila* (Gabb), 35, 113, pl. 12, fig. 1 = *M. alabamiensis bowlesi* Stenzel and Turner; Harris, 1897b, pp. 25, 31 [on p. 25 as *Potamides*]; not Veatch and Stephenson, 1911, p. 223 ? = *M. pumila* (Gabb); Cossmann, 1921b, p. 126; not Deussen, 1914, pp. 32, 36 = sp. ?; not Stephenson and Veatch, 1915, p. 69 ? = *M. pumila* (Gabb); Cooke, 1926a, p. 264, pl. 94, fig. 9; Semmes, 1929, fig. 59-9; Palmer, 1937, p. 204; Bowles, 1939, p. 327, pl. 34, fig. 10 syntype; Stenzel and Turner, [1942], Gastropoda 81, Card No. 109, fig. 1, fig. 10 syntype; not Brann and Kent, 1960, p. 548 = *M. alabamiensis bowlesi* Stenzel and Turner

Mesalia pumila alabamiensis (Whitfield), Harris, 1899a, p. 76, pl. 10, fig. 9; Brann and Kent, 1960, p. 550

Range.—Lower Eocene. Nanafalia fm., lower Wilcox [Sabine] gr.; Tuscahoma fm., (probably type), middle Wilcox [Sabine] gr.

Localities.—ALA.: *Wilcox Co.*, "Six miles below Prairie Bluff" (Whitfield type) [= probably Greggs Ldg., about 2 mi. above Bells Ldg., Alabama R.]; Yellow Bluff, Alabama R.; Lower Peachtree Ferry, Alabama R.; *Monroe Co.*, Bells Ldg., Alabama R.; Greggs Ldg., Alabama R.; *Marengo Co.*, Nanafalia Bluff, Tombigbee R.

Types.—Syntypes (5), No. UC 24520 CNHM

Mesalia alabamiensis (Whitfield), Harris, 1896. Not Whitfield, 1865
See *Mesalia alabamiensis bowlesi* Stenzel and Turner
See also *Mesalia pumila* (Gabb)

Mesalia alabamiensis (Whitfield), Veatch and Stephenson, 1911; Stephenson and Veatch, 1915. Not Whitfield, 1865
See *Mesalia pumila* (Gabb)

Mesalia alabamiensis bowlesi Stenzel and Turner **Turritellidae**

Mesalia alabamiensis (Whitfield), Harris, 1896, pp. 35, 113, pl. 12, fig. 1; Brann and Kent, 1960, p. 548. Not Whitfield, 1865, p. 266

Mesalia pumila (Gabb), Bowles, 1939, p. 325 in part, pl. 34, fig. 7. Not Gabb, 1860d, p. 392

Mesalia alabamiensis bowlesi Stenzel and Turner, 1940a, p. 842, pl. 47, figs. 9, 10; Stenzel and Turner, [1942], Gastropoda 84, Card No. 112, fig. 7, figs. 9, 10 syntypes

Range.—Paleocene. Sucarnochee cl. (type), upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Graveyard Hill, NW. slope of hill, SE. ¼ sec. 32, T. 12 N., R. 10 E., 3 mi. airline distance N. of Oakhill, by private rd. 1.05 mi. W. of county road and 4.15 mi. from Oakhill crossroads (type)

Types.—Syntypes, Nos. 21378, 21379 BEG

Mesalia alabamiensis tetradeiras Stenzel and Turner **Turritellidae**

Turritella vittata abruta Conrad, de Gregorio, 1890, p. 124 in part *fide* Stenzel and Turner as *Potamides alabamiensis*, pl. 11 [not 38 as in de Gregorio] fig. 13a (?) only

Mesalia alabamiensis tetradeiras Stenzel and Turner, 1940, p. 843, pl. 47, figs. 6-8; Stenzel and Turner, [1942], Gastropoda 92, Card No. 120, figs. 6-8 syntypes

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Bells Ldg., on left bank of Alabama R., W. of Tinela (type)

Types.—Syntypes, Nos. 21375, 21376 BEG

Mesalia allentonensis (Aldrich) **Turritellidae**

Turritella allentonensis Aldrich, 1894b, p. 246, pl. 13, figs. 4a, 6 ?

Turritella wilcoxiana Aldrich, 1894b, p. 247, pl. 13, fig. 4b

Mesalia watsonensis Harris, 1896, p. 228, pl. 12, fig. 2; Cossmann, 1912b, p. 126; not Aldrich, 1921, p. 26 Midway; Brann and Kent, 1960, p. 551

Mesalia pumila var. *allentonensis* (Aldrich), Harris, 1896, p. 113, pl. 11, figs. 20, 21. Not Maury, 1912, pp. 29, 97, 98, pl. 12, fig. 27 = n. sp. ?; not Harris, 1926, p. 100 = n. sp. ? Trinidad

Mesalia pumila var. *wilcoxiana* (Aldrich), Harris, 1896, p. 112, pl. 11, figs. 16, 17; Deussen, 1914, pp. 32, 35; not Trowbridge, 1923, p. 89 = *Mesalia mavericki* Gardner

Mesalia pumila wilcoxi [*sic*] (Aldrich), Cossmann, 1912b, p. 126

Mesalia pumila (Gabb), Stephenson and Crider, 1916, pp. 52, 53. Not *Mesalia pumila* (Gabb), 1860d, p. 392

Messalia wilcoxiana (Aldrich), Gardner, 1935, p. 295; Bowles, 1939, p. 324, pl. 34, fig. 2 "holotype" *wilcoxiana*, fig. 3, holotype, fig. 4 "paratype" *allentonensis*

Mesalia allentonensis (Aldrich), Stenzel and Turner, [1942], Gastropoda 82, Card No. 110, fig. 2 holotype *wilcoxiana*, fig. 3 holotype *allentonensis*, fig. 4 paratype *allentonensis*

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, Prairie Cr., approx. 3 mi. N. of Oakhill (type); *Barbour Co.*, R.R. cut 2 mi. NE. of Clayton type *M. watsonensis*. MISS.: *Pontotoc Co.*—½ mi. S. of Pontotoc. ARK.: *Jackson Co.*, R.R. cut ¼ mi SW. of Grandglaise. S.C.: *Clarendon Co.*, Tendall's old mill, rd. from Manning to Paxville, 6 mi. W. of Manning; Kingstree rd., E. of Deep Creek, 5 mi. E. of Manning; *Williamsburg Co.*, roadside 1.1 mi. S. of Salters. TEXAS: *Falls Co.*, 1 mi. up Salt Branch of Little Brazos R.; *Limestone Co.*, Tehuacana
Types.—Holotype *M. allentonensis*, No. 644621 USNM (fig. 4a); ? No. 643708 USNM young (fig. 6). Holotype *M. wilcoxiana*, No. 644622 USNM. Holotype, *M. watsonensis* Harris, No. 110 PRI

Mesalia alveata (Conrad)
See *Turritella alveata* Conrad

Mesalia arenicola Conrad
See *Turritella arenicola* (Conrad)

Mesalia biplicata Bowles **Turritellidae**

Mesalia biplicata Bowles, 1939, p. 328, pl. 34, figs. 6, 8; Stenzel and Turner, [1942], Gastropoda 83, Card No. 110, fig. 1, fig. 6 holotype, fig. 8 paratype

Range.—Lower Eocene. Nanafalia fm. (type), lower Wilcox [Sabine] gr.
Localities.—ALA.: *Marengo Co.*, Nanafalia Ldg. on left bank Tombigbee R., W. of Nanafalia and 1.7 mi. by road above new bridge of State Highway 10 (type); *Pike Co.*, Three Notch Rd., middle of sec. 17, T. 8 N., R. 20 E., ¼ mi. NE. of Henderson
Types.—Holotype, No. 494990; paratype, No. 494991 USNM

Mesalia claibornensis Conrad ms., Heilprin, 1891a; Dumble, 1894; Dana, 1895. *Nomen nudum*
See *Mesalia claibornensis* Harris

Mesalia claibornensis Harris **Turritellidae**

Mesalia vetusta (Conrad), Aldrich, 1886, p. 46; Aldrich, 1894b, p. 233 in part; McCallie, 1908, p. 337, not pp. 338, 340, 342, 346, 347 = *Mesalia georgiana* Bowles, not pp. 345, 348 = *Mesalia* sp. ?; Veatch and Stephenson, 1911, pp. 246 as *Turritella*, 256, 258, 259, 276, 278, 282, 295; not pp. 286, 289, 292 = *Mesalia georgiana* Bowles; ? Brantley, 1916, p. 19. Not *Mesalia vetusta* (Conrad), 1833b, p. 35
Turritella (Mesalia) claibornensis Conrad ms., Heilprin, 1891a, p. 400 *nomen nudum*
Mesalia venusta [*sic*] Conrad, Kennedy, 1892, p. 57. Not *Melania* ? *vetusta* Conrad, 1833b, p. 35
Not *Turritella vetusta* (Conrad) var. ?; Lerch, 1892, p. 29
Mesalia claibornensis Conrad ms., Dumble, 1894, p. 552 *nomen nudum;* Veatch and Stephenson, 1911, p. 239 "Conrad"; Deussen, 1914, pp. 59, 60, 62, 64, pl. 5, fig. 5 copy Harris, 1895a "Conrad"; Dumble, 1920, pp. 89, 92, 96, 97, 99, 100, 107 "Conrad"; Deussen, 1924, p. 69, pl. 22, fig. 3 copy Harris, 1895a "Conrad"; Renick and Stenzel, 1931, pp. 95, 102, 103, pl. 7, figs. 21, 22 "Conrad"; Trowbridge, 1932, pl. 42, fig. 6 copy Harris, 1895a, "Conrad"

Mesalia claibornensis Harris *in* Dana 1895, p. 897, fig. 1488 *nomen nudum* same fig. as in Harris, 1895a; Harris, 1895a, p. 80, pl. 9, fig. 5; Kennedy, 1895, pp. 114, 116, 119, 121, 123, 125, 126, 128; Vaughan, 1896, p. 44; Veatch, 1906, pl. 19, fig. 5 copy Harris, 1895a; Palmer, 1937, p. 207, pl. 27, figs. 9, 16, fig. 10 holotype; Bowles, 1939, p. 328, pl. 34, fig. 5; Stenzel and Turner, [1942] Gastropoda 85, Card No. 113, fig. 1 holotype, fig. 2 "syntypes"; Brann and Kent, 1960, p. 549

Turritella vetusta (Conrad), Vaughan, 1895, p. 213. Not *Mesalia vetusta* (Conrad), 1833b, p. 35

*Mesalia obruta (*Conrad), ? Cooke, 1936, p. 64

Sigmesalia claibornensis (Harris), Glibert, 1962b, p. 78

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R.; Lisbon Bluff, Alabama R. TEXAS: *Burleson Co.*, big branch of Cedar Creek, E. of Mr. Pollard's (deceased) farm 3 mi. NW. of Stone City [Stenzel, 1959 probably Cedar Creek near Wheelock, Robertson Co.]; Stone City Bluff (Moseley's Ferry), bluff on rt. bank of Brazos R. at bridge of State Highway 21 and bridge of Southern Pacific R.R. (type). For further localities see Palmer, 1937, p. 207 and Bowles, 1939, pp. 330, 331 includes South Carolina, Alabama, Louisiana, Texas, and Mexico

Types.—Holotype and 7 paratypes, No. 35649 BEG, formerly No. 1521 Geol. Dept., Univ. Texas, Austin, Texas

Mesalia elongata Whitfield
See *Turritella elongata* (Whitfield)

Mesalia georgiana Bowles **Turritellidae**

Mesalia vetusta (Conrad), McCallie, 1908, pp. 338, 340, 342, 346, 347; not p. 337 = *M. claibornensis* Harris; not pp. 345, 348 ? *Mesalia* ? sp.; Veatch and Stephenson, 1911, pp. 286, 289, 292; not pp. 246, 256, 259, 276, 282, 295 = *M. claibornensis* Harris; Stephenson and Veatch, 1915, p. 80. Not *Mesalia vetusta* (Conrad), 1833b, p. 35

Mesalia georgiana Bowles, 1939, p. 333, pl. 34, figs. 12, 13; Stenzel and Turner, [1942], Gastropoda 86, Card No. 114, fig. 12 paratype, fig. 13 holotype

Range.—Upper Eocene. Barnwell fm. (type), Jackson gr.

Localities.—GA.: *Jefferson Co.*, 7.5 mi. SE. of Louisville (holotype); 9 mi. SE. of Louisville (paratype); *Burke Co.*, Percy Boyd's farm, 3½ mi. SE. of Shell Bluff P.O.

Types.—Holotype, No. 498008; paratype, No. 498007 USNM

Mesalia gomin Bowles **Turritellidae**

Mesalia ?, n. sp. ? Cooke, 1936, p. 51

Mesalia gomin Bowles, 1939, p. 326, pl. 33, fig. 9; Stenzel and Turner, [1942], Gastropoda 87, Card No. 115, fig. 9 holotype

Range.—Lower Eocene. Black Mingo fm. (type)

Locality.—S.C.: *Sumter Co.*, descent to valley of Wateree River, 2 mi. W. of Catchall and 4 mi. NE. of Claremont (type)

Type.—Holotype, No. 497954 USNM

Mesalia hardemanensis (Gabb) **Turritellidae**

Turritella hardemanensis Gabb, 1860d, p. 392, pl. 68, fig. 15; not Whitfield, 1892, p. 145 = Cretaceous sp. probably not conspecific with *M. hardemanensis* (Gabb)

Mesalia pumila var. *hardemanensis* (Gabb), Harris, 1896, p. 112, pl. 11, fig. 18 as *M. pumila* var., fig. 19 syntype; Deussen, 1914, pp. 32, 36; Gardner, 1935, p. 297

Mesalia pumila (Gabb), Lowe, 1933, p. 10

Mesalia sp. Lowe, 1933, p. 9

Mesalia hardemanensis (Gabb), Bowles, 1939, p. 333, pl. 34, fig. 9; Stenzel and Turner, [1942], Gastropoda 88, Card No. 116, figs. 9, 15, fig. 19 syntype Gabb copy Harris, 1896

Range.—Paleocene. Clayton fm. (type *fide* Stenzel and Turner) lower Midway gr.; Porters Creek fm. (type, *fide* Bowles), upper Midway gr.

Localities.—TENN.: "Hardeman Co." (type); branch of Cypress Creek, 2 mi. S. or SE. of Middleton near old stage coach road (type) *fide* Stenzel and Turner; 1.5 mi. E. of Middleton and 200 ft. W. of milepost 481

Types.—Syntypes (3) unknown. Types in Safford Coll., seen by Harris, 1896

Mesalia lintea Conrad, 1865a, p. 33; Conrad, 1866a, p. 11 *nomen nudum;* Palmer, 1937, p. 209; Bowles, 1939, p. 332; Moore, 1962, p. 71

Mesalia mavericki Gardner **Turritellidae**

Mesalia pumila subsp. *wilcoxiana* (Aldrich), Trowbridge, 1923, p. 89. Not *M. wilcoxiana* (Aldrich), 1894b, p. 247

Mesalia mavericki Gardner, 1935, p. 295, pl. 25, figs. 7, 8; Bowles, 1939, p. 325; Stenzel and Turner, [1942], Gastropoda 89, Card No. 117, fig. 7 paratype, fig. 8 holotype

Mesalia sp. cf. *mavericki* Gardner, 1935, p. 296, pl. 25, fig. 9

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.

Localities.—TEXAS: *Maverick Co.*, 6 mi. S. of the McFarland sheep pens and 27 mi. SE. of Eagle Pass on Windmill (Jacal) ranch road (type); *Falls Co.*, Stranger School, 7.5 mi. NW. of Kosse

Types.—Holotype, No. 370944; paratype, No. 494989 USNM

Mesalia obruta (Conrad)
See *Turritella obruta* Conrad

Mesalia obruta (Conrad), Clark and Martin, 1901. Not *Turritella obruta* Conrad, 1835a
See *Turritella* ? spp.

Mesalia obruta (Conrad), Cooke, 1936. Not *Turritella obruta* Conrad, 1835a
See *Mesalia claibornensis* Harris

Mesalia ? persa (de Gregorio) **? Turritellidae**

Cerithium persum de Gregorio, 1890, p. 118, pl. 10, fig. 39; Dall, 1892, p. 277 *Pseudomelania;* Palmer, 1937, p. 222 might be a *Mesalia*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Mesalia pleboides Vaughan
See *Turritella pleboides* (Vaughan)

Mesalia pumila (Gabb) **Turritellidae**

Turritella pumila Gabb, 1860d, p. 392, pl. 68, fig. 14. Not Whitfield, 1892, p. 187 (questioned), pl. 23, figs. 5, 6 = *T. encrinoides* Morton, 1834 Cretaceous; not Johnson, 1905, p. 21 (not pl. 21 as in Bowles) = *T. encrinoides* Morton

? *Potamides alabamiensis* Whitfield, ? Harris, 1894b, pp. 26, 29, 30, 46. Not Whitfield, 1865, p. 266

Mesalia pumila (Gabb), Harris, 1896, p. 112, pl. 11, fig. 15 type; Cossmann, 1912b, p. 126; Stewart, 1927, p. 354 *pulima* [*sic*]; Bowles, 1939, p. 325 in part, not pl. 34, fig. 7 = *M. alabamiensis bowlesi;* Stenzel and Turner, [1942], Gastropoda 90, Card No. 118, fig. 14 copy Gabb, fig. 15 copy Harris. Not Stephenson and Crider, 1916, p. 52 = *Mesalia allentonensis* (Aldrich)

Mesalia alabamiensis (Whitfield), Harris, 1896, p. 17, not pp. 35, 113, pl. 12, fig. 1 = *M. alabamiensis bowlesi;* Veatch and Stephenson, 1911, p. 223; Stephenson and Veatch, 1915, p. 69 as in Bowles, 1939, p. 325

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Localities.—TENN.: *Hardeman Co.* (type); 2 mi. S. of Middleton; on a branch of Cypress Cr. and near stage road (*fide* Stenzel and Turner); ½ mi. S. of Middleton; 2 mi. E. of Middleton. ? GA.: *Webster Co.*, Lime Spring, Cole Property, 2 mi. SE. of Preston. ? ARK.: *Pulaski Co.*, Dr. Johnson's well, top of Capitol Hill, corner of Battery and 9th Streets, Little Rock; about 1.5 mi. NE. of Alexander, NW. ¼ SE. ¼ sec. 8, T. 1 S., R. 13 W.

Type.—Unknown. Type in Safford Coll. seen by Harris, 1896

Mesalia pumila (Gabb), Bowles, 1939 in part. Not Gabb, 1860d
See *Mesalia alabamiensis bowlesi* Stenzel and Turner

Mesalia pumila (Gabb), Lowe, 1933. Not Gabb, 1860d
See *Mesalia hardemanensis* (Gabb)

Mesalia pumila (Gabb), Stephenson and Crider, 1916. Not Gabb, 1860d
See *Mesalia allentonensis* (Aldrich)

Mesalia pumila alabamiensis (Whitfield)
See *Mesalia alabamiensis* (Whitfield)

Mesalia pumila allentonensis (Aldrich)
See *Mesalia allentonensis* (Aldrich)

Mesalia pumila hardemanensis (Gabb)
See *Mesalia hardemanensis* (Gabb)

Mesalia pumila wilcoxiana (Aldrich)
See *Mesalia allentonensis* (Aldrich)
See also *Mesalia mavericki* Gardner

Mesalia striata (I. Lea)
See *Mesalia vetusta* (Conrad)

Mesalia venusta [*sic*] (Conrad)
See *Mesalia vetusta* (Conrad)
See also *Mesalia clabornensis* Harris

Mesalia vetusta (Conrad) **Turritellidae**

Melania ? *vetusta* Conrad, 1833b, p. 35 (Harris reprint, 1893, p. 57)

Cerithium ? *striatum* I. Lea, 1833, p. 131, pl. 4, fig. 122; Harris, 1895b, p. 43 = *Mesalia vetusta* (Conrad). Not Deshayes, 1833a, p. 312, pl. 41, figs. 8, 9

Proto vetusta (Conrad), Conrad, 1834, p. 146; Conrad, App. *in* Morton, 1834, p. 4; Dall, 1892, p. 308

Turritella vetusta (Conrad), Conrad, 1835a, p. 40, pl. 15, fig. 13; not Conrad, 1835b, p. 336; not Vaughan, 1895, p. 213 = *Mesalia claibornensis* Harris

Mesalia striata (I. Lea), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11

Mesalia vetusta (Conrad), Conrad, 1865a, p. 33 as *venusta* [*sic*]; Conrad, 1866a, p. 11 as *venusta* [*sic*]; not Aldrich, 1886, pp. 46, 56; Aldrich, 1894b, p. 233 in part (in part = *M. claibornensis* Harris); Cossmann, 1893, p. 29; Harris, 1895b, pp. 48, 50, pl. 1, fig. 6; Palmer, 1937, pp. 205, 222, pl. 27, figs. 7, 8, 13-15; Bowles, 1939, p. 331, pl. 34, fig. 1; Stenzel and Turner, [1942], Gastropoda 93, Card No. 121, fig. 1 copy Bowles 1; Shimer and Shrock, 1944, p. 498, pl. 203, fig. 6 copy Palmer; Harris and Palmer, 1947, p. 297, pl. 38, figs. 1-5; Brann and Kent, 1960, p. 550

Cerithium (Cerithidea) vetustum (Conrad), de Gregorio, 1890, p. 117, pl. 10, figs. 18-20, fig. 21 copy *C. striatum* I. Lea

Not *Turritella vetusta* (Conrad) var., Lerch, 1892, p. 29 = *M. claibornensis* ?

Pseudomelania striata (I. Lea), Dall, 1892, p. 277

Sigmesalia vetusta (Conrad), Glibert, 1962b, p. 81

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr. Upper Eocene. White Bluff fm., lower Jackson gr.; Moodys Branch fm., lower Jackson gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, left bank of Alabama R. (type). See also Gardner, 1939 (Jackson gr.). ARK.: *Jefferson Co.*, White Bluff, Arkansas R. (Jackson gr.). MISS.: *Yazoo Co.*, Sims Siding about 8 mi. N. of Yazoo City (Jackson gr.); *Clarke Co.*, Little Stave Cr., about ⅓ mi. above Gosport sd. (Jackson gr.). LA.: *Grant Par.*, Montgomery, Red R. (Jackson gr.).

Types.—Lectotype and remaining specimens, No. 15490 ANSP Moore, 1962, p. 107. Holotype *Cerithium striatum* I. Lea, No. 5670 ANSP (not 5620 as in Bowles, 1939, p. 331)

Mesalia vetusta of authors not Conrad, 1833b
See *Mesalia claibornensis* Harris
See also *Mesalia georgiana* Bowles
See also *Mesalia* sp.

Mesalia watsonensis Harris
See *Mesalia allentonensis* (Aldrich)

Mesalia wilcoxiana (Aldrich)
See *Mesalia allentonensis* (Aldrich)

Mesalia ?, n. sp., Cooke, 1936
See *Mesalia gomin* Bowles

Mesalia ? sp. **Turritellidae**

Mesalia ? sp. Harris, 1896, p. 114, pl. 12, fig. 3; Brann and Kent, 1960, p. 550

Range.—Paleocene. Lowest Midway gr.
Localities.—MISS.: *Tippah Co.*, 2 mi. E. of Ripley. GA.: *Clay Co.*, Chattahoochee R. ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.
Type.—Figured specimen, No. 112 PRI

Mesalia sp. ? **Turritellidae**

Mesalia vetusta (Conrad), McCallie, 1908 in part, pp. 345, 348 only
Mesalia sp. ?, Bowles, 1939, p. 328 under *M. claibornensis* Harris

Range.—Middle Eocene. Claiborne gr.
Localities.—GA.: *Jones Co.*, 1½ mi. W. of Lewistown; 1½ mi. W. of Griswoldville; *Houston Co.*, Perry-Elko public road, 4 mi. S. of Perry
Types.—Unfigured specimens unknown, possibly USNM

Mesalia sp. **Turritellidae**

Turritella (Mesalia) venusta [*sic*] (Conrad), Heilprin, 1891a, p. 400. Not *Melania vetusta* Conrad, 1833b, p. 35

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Caldwell (see Stenzel, Krause, and Twining, 1957, p. 11)
Type.—Unfigured specimen, unknown. Not Texas, 1964; ANSP ?

Mesalia ? sp. **Turritellidae**

Turritella vittata Lamk. var. *abruta* [*sic*] de Gregorio, 1890, pp. 123, 124 in part, pl. 11, figs. 13-15. Not *T. obruta* Conrad, 1835a, p. 40

Range.—Middle Eocene. Presumably Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Presumably Claiborne Bluff, Alabama R.
Type.—Figured specimen, De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Mesalia sp. Lowe, 1933, p. 9
See *Mesalia hardemanensis* (Gabb)

Mesalia spp. **Turritellidae**

Potamides alabamiensis Whitfield, Deussen, 1914, pp. 32, 36; Stephenson and Crider, 1916, pp. 49, 53. Not Whitfield, 1865, p. 266

Range.—Paleocene.

Localities.—ARK.: *Pulaski Co.*, Fourche Cr., near mouth of Crooked Cr., 8 or 9 mi. SW. of Little Rock. TEXAS: *Kaufman Co.*, 4 mi. NE. of Kemp

Types.—Unfigured specimens probably USNM

Mesorhytis ? hatchetigbeensis (Aldrich) **Mitridae**

Mitra hatchetigbeensis Aldrich, 1886, pp. 28, 50, pl. 6, fig. 3 as *Hatchetigbeensis;* Harris, 1899a, p. 39, pl. 3, fig. 11; Brann and Kent, 1960, p. 559

Mitra (Turricula) Hatchetigbeensis Aldrich, de Gregorio, 1890, p. 74, pl. 5, fig. 46 copy Aldrich

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.

Localities.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type); *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R.

Type.—Holotype, No. 638774 USNM

Mesorhytis polita (Gabb)
See *Fusimitra polita* (Gabb)

Mesorhytis ? pomonkensis (Clark and Martin) **Mitridae**

Mitra sp. Clark, 1895, p. 4; Clark, 1896, p. 66, pl. 11, figs. 4a, 4b

Mitra pomonkensis Clark and Martin, 1901, p. 132, pl. 21, figs. 10, 10a copy Clark, 1896

Range.—Paleocene. Aquia fm. (type)

Localities.—MD.: *Prince Georges Co.*, Pomonkey Neck (type) [Pamunkey, Clark]; 1 mi. NE. of Piscataway. VA.: *King George Co.*, 2 mi. below Potomac Cr.; Potomac Cr.

Type.—Holotype, No. 115862 USNM

Mesorhytis ? potomacensis (Clark and Martin) **Mitridae**

Mitra potomacensis Clark and Martin, 1901, p. 133 in part, pl. 21, fig. 11

Range.—Paleocene. Aquia fm. (type)

Locality.—MD.: *Prince Georges Co.*, 1 mi. NE. of Piscataway (type)

Type.—Holotype, USNM

Mesorhytis ? sp. **Mitridae**

Mitra potomacensis Clark and Martin, 1901, p. 133 in part

Range.—Lower Eocene. Nanjemoy fm.

Localities.—VA.: *King George Co.*, Woodstock. MD.: *Charles Co.*, Popes Cr.

Types.—Unfigured specimens, USNM

Mesorhytis ? sp. **Mitridae**

Mitra hatchetigbeensis ? Aldrich, Harris, 1896, p. 86, pl. 8, fig. 8. Congeneric with *"M". hatchetigbeensis*

Range.—Paleocene. Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Sumter Co.*, Black Bluff, Tombigbee R.
Type.—Figured specimen, No. 129905 USNM

Mesostoma lisbonensis Aldrich
See *Cerithioderma primum* Conrad

Mesostoma rugosa Heilprin
See *Cerithioderma primum* Conrad

Metula brazosensis Johnson **Columbellidae**

Metula brazosensis Johnson, 1899, p. 74, pl. 2, fig. 1; Palmer, 1937, p. 285, pl. 37, fig. 6 copy Johnson

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Collier's Ferry = Black Shoals, Brazos R. = Brazos R. about 1 mi. below Milam-Burleson Co. line (type)
Type.—Holotype, No. 9833 ANSP

Metula crassa Cossmann *nomen nudum*
See *Astyris crassus* Chavan *in* Palmer

Metula gentilicia Palmer **Columbellidae**

Metula gentilicia Palmer *in* Harris and Palmer, 1947, p. 346, pl. 45, figs. 12, 13; Brann and Kent, 1960, p. 552

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr .
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 4666 PRI

Metula gracilis Johnson **Columbellidae**

Metula gracilis Johnson, 1899, p. 75, pl. 2, fig. 3; Palmer, 1937, p. 285, pl. 37, figs. 10, 16; Brann and Kent, 1960, p. 553
Metula (Celatoconus) gracilis Johnson, Cossmann, 1901b, p. 167

Range.—Middle Eocene. Hurricane lentil (type), Landrum mem., Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Houston Co.*, Alabama Ferry, Trinity R., 15 mi. SW. of Crockett (type) [probably Bur. Ec. Geol. loc. 113-T-9 see Stenzel and Turner, 1940, p. 813 and Stenzel, Krause, and Twining, 1957, p. 51]; *Sabine Co.*, Sabine R., SW. corner opposite SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 7005 ANSP

Metula johnsoni (Vaughan) **Columbellidae**

Phos johnsoni Vaughan, 1896, p. 36, pl. 3, fig. 3; Johnson, 1899, p. 75; Schuchert, *et al.*, 1905, p. 503 [locality = Montgomery, not Jackson]
Metula johnsoni (Vaughan), Harris and Palmer, 1947, p. 347, pl. 45, fig. 9 copy Johnson

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery, Red R. (type)

Type.—Holotype, No. 147036 USNM

Metula marylandica Clark and Martin
See *Cantharus (Endopachychilus) marylandicus* (Clark and Martin)

Metula subgracilis Johnson **Columbellidae**

Metula subgracilis Johnson, 1899, p. 75, pl. 2, fig. 2; Harris and Palmer, 1947, p. 345, pl. 45, figs. 7, 8; Brann and Kent, 1960, p. 553

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.

Type.—Holotype, No. 9684 ANSP

Metula sylvaerupis Harris **Columbellidae**

Metula sylvaerupis Harris, 1899a, p. 56, pl. 7, fig. 7; Brann and Kent, 1960, p. 553

Metula (Celatoconus) sylvaerupis Harris, Cossmann, 1901b, p. 167

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.

Type.—Holotype, No. 285 PRI

Michela trabeatoides (Harris) **Turridae**

Fusus trabeatus Conrad, Heilprin, 1891a, p. 395. Not Conrad, 1833b, p. 29

Levifusus trabeatoides Harris, 1895a, p. 69, pl. 6, figs. 12, 12a; Palmer, 1937, p. 327, pl. 51, figs. 1, 2, 4, 5, 7, 8, 9, 11, [fig. 8 omitted not fig. 12 type error]; Wenz, 1943, p. 1222, fig. 3474 copy Palmer; Brann and Kent, 1960, p. 494

Michela trabeatoides (Harris), Gardner, 1945, p. 231, pl. 24, fig. 13

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type); *Robertson Co.*, big branch Cedar Creek, E. of Mr. Pollard's (deceased), 3 mi. NW. of Stone City [probably Cedar Cr. near Wheelock, *Robertson Co. fide* Stenzel, pers. com. 1959]; *Bastrop Co.*, Smithville, Colorado R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R. opposite SW. corner of SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129). LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank of Ouachita R.

Type.—Holotype, No. 35599 BEG

Micranellum alterum (Meyer)
See *Caecum (Micranellum) alterum* Meyer,

Microdrillia aldrichiella Casey **Turridae**

Microdrillia aldrichiella Casey, 1903, p. 278; Harris, 1937, p. 91 (under *M. harrisi)*, pl. 14, figs. 29, 30 syntypes; Gardner, 1945, p. 248

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)
Types.—Syntypes, No. 481593 USNM

Microdrillia citrona Harris **Turridae**

Microdrillia citrona Harris, 1937, p. 93, pl. 14, figs. 34, 35; Brann and Kent, 1960, p. 554

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, 3 mi. NW. of Orangeburg (type)
Type.—Holotype, No. 2614 PRI. Line misplaced in Harris, 1937, p. 94 under *M. meyeri*

Microdrillia cossmanni (Meyer) **Turridae**

Pleurotoma cossmanni Meyer, 1887a, p. 9, pl. 1, fig. 5. Not *Purpura cossmanni* de Raincourt, 1884, p. 344
Oligotoma meyeri Cossmann, 1889b, p. 256 new name for *Pleurotoma cossmanni* Meyer, 1887a. Not *Purpura cossmanni* de Raincourt 1884 = *Oligotoma cossmanni* (de Raincourt) determined by Cossmann
Asthenotoma meyeri (Cossmann), Cossmann, 1893, p. 43 = *Pleurotoma cossmanni* Meyer; Cossmann, 1896b, p. 105
Microdrillia cossmanni (Meyer), Casey, 1903, p. 276 [*meyeri* (Cossmann)]; Cossmann, 1906b, p. 223, pl. 14, figs. 17, 18 as *Asthenotoma (Microdrillia) meyeri* Cossmann = *Pleurotoma meyeri* (Cossmann), type designation of *Microdrillia;* Woodring, 1928, p. 196, read *Pleurotoma meyeri* Cossmann not Aldrich; Harris, 1937, pp. 89, 90; p. 94 as *M. meyeri* Cossmann, pl. 14, fig. 42 [not from Red Bluff] copy Meyer, fig. 43 Casey specimen; fig. 46 [not No. 2614 PRI as on p. 94 = *Microdrillia citrona*]; Gardner, 1945, p. 247
Microdrillia meyeri (Cossmann), Wenz, 1943, p. 1415, fig. 3997 copy Cossmann; Harris and Palmer, 1947, pp. 438, 439, pl. 61, fig. 4 copy Meyer

The name of this species of *Microdrillia* whether *cossmanni* or *meyeri* rests on the generic interpretation of whether *Asthenotoma* Harris and Burrows, 1891 and *Microdrillia* Casey, 1903 are equivalent. *Pleurotoma cossmanni* Meyer, 1887a is not a primary homonym of *Purpura cossmanni* de Raincourt, 1884. Cossmann (1889a) believed the two species were congeneric in *Oligotoma* hence renamed Meyer's *Pleurotoma cossmanni* = *P. meyeri.* When *Oligotoma* was found to be preoccupied and renamed *Asthenotoma* by Harris and Burrows, 1891, the two species were still classified in the same genus. Casey in 1903 withdrew *Pleurotoma cossmanni* Meyer with related species to form the genus *Microdrillia.* If *Microdrillia* and *Asthenotoma* are not equivalent as many people believe then the two species involved are not homonyms.

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638878 USNM

Microdrillia elongatula Casey Pl. 5, figs. 5, 6 **Turridae**

Microdrillia elongatula Casey, 1903, p. 278

Range.—Middle Eocene. Yegua fm. (type), uppermost Claiborne gr.

Localities.—TEXAS: *Lee Co.*, Elm Creek (type) holotype label; Vesey Creek

Type.—Lectotype, No. 481602 USNM

Microdrillia harrisi (Aldrich) **Turridae**

Glyphostoma harrisi Aldrich, 1895b, p. 9, pl. 1, fig. 11. Not Harris, 1899a, p. 24; not Maury, 1910, p. 14 Oligocene

Microdrillia harrisi (Aldrich), Casey, 1903, p. 278; Harris, 1937, p. 91 in part, pl. 14, figs. 27, 28; fig. 44 holotype; Gardner, 1945, p. 247; Brann and Kent, 1960, p. 554

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Brazos Co.*, Little Brazos R.; *Robertson Co.*, Wheelock (type); *Lee Co.; Burleson Co.*

Type.—Holotype, No. 638931 USNM

Microdrillia infans (Meyer) ? "var." **Turridae**

Microdrillia infans (Meyer) ? var. Harris, 1937, pl. 14, fig. 49

Microdrillia robustula Casey, Brann and Kent, 1960, p. 555 No. 2615c error for *Microdrillia infans* (Meyer) var. Harris, Woods Bluff, Clarke Co., Ala. upper Wilcox [Sabine] gr., lower Eocene. Not "Sabine R. . . . middle Eocene" as in catalogue

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, No. 2615c PRI

Microdrillia infans bicincta Harris **Turridae**

Pleurotoma (Mangilia) infans Meyer, Harris, 1895a, p. 62, in part, pl. 5, fig. 10

Microdrillia infans bicincta Harris, 1937, p. 92, pl. 14, fig. 47 holotype copy Harris, 1895a

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 35690 BEG

Cf. **Microdrillia laeviplicata** (Gabb) **Turridae**

Scobinella laeviplicata Gabb, 1860d, p. 380, pl. 67, fig. 20; Conrad, 1865a, p. 20; Conrad, 1866a, p. 18; not Harris, 1899a, p. 24; Harris, 1937, p. 91

Not *Scobinella laeviplicata* Gabb, Cossmann, 1893, p. 43, pl. 2, fig. 19; Cossmann, 1896b, p. 109, pl. 6, fig. 35; Harris and Palmer, 1947, p. 439, pl. 61, figs. 5, 6 = *S. laeviplicata* Cossmann (Jackson gr.) = *Microdrillia* sp.

Not *Microdrillia laeviplicata* (Gabb) Harris, 1937, pl. 14, fig. 45 copy Cossmann, 1893 = *Microdrillia* sp. Species not known other than original description and figure. See Harris, 1937, p. 71

Range.—Middle Eocene. Stone City beds, middle Claiborne gr. or Wheelock mem., Cook Mt. fm., upper Claiborne gr. Exact range not designated
Localities.—TEXAS: *Robertson Co.*, Town Branch, Cedar Creek near Wheelock; *Burleson Co.*, Stone City Bluff, Brazos R. (type localities, see Stenzel, Krause, and Twining, 1957, p. 11)
Types.—Probably lost. Specimen not in USNM. Specimen ANSP wrongly labelled type

Microdrillia laeviplicata (Gabb), Harris, 1937. Not Gabb, 1860b
See *Microdrillia* sp.

Microdrillia lerchi (Vaughan)
See *Coronia lerchi* (Vaughan)

Microdrillia meyeri (Cossmann)
See *Microdrillia cossmanni* (Meyer)

Microdrillia minutissima Casey **Turridae**
Microdrillia minutissima, Casey, 1903, p. 277; Harris, 1937, p. 94, pl. 14, figs. 40, 41 syntypes

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Syntypes, No. 481557 USNM

Microdrillia ouachitae Harris **Turridae**
Microdrillia ouachitae Harris, 1937, p. 92, pl. 14, figs. 31, 32; Harris and Palmer, 1947, p. 440, pl. 61, fig. 8 holotype; Brann and Kent, 1960, p. 554

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Types.—Holotype, No. 2613a; paratype, No. 2613b PRI

Microdrillia parthenoides Harris **Turridae**
Microdrillia parthenoides Harris *in* Harris and Palmer, 1947, p. 439, pl. 61, fig. 7; Brann and Kent, 1960, p. 554

Range.—Upper Eocene. Jackson gr. (type)
Locality.—TEXAS: *Sabine Co.*, Sabine R., 1 mi. below Robinson's Ferry (type) (Veatch Survey, 1902, p. 131)
Type.—Holotype, No. 4976 PRI

Microdrillia robustula Casey **Turridae**
Microdrillia robustula Casey, 1903, p. 277; Harris, 1937, p. 93, pl. 14, figs. 38, 39 syntypes; figs. 48, 48a; Brann and Kent, 1960, p. 554. Not p. 555, No. 2615c = *M. infans* (Meyer) ? var. Harris

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Winn Par.*, St. Maurice (type); *Sabine Par.* near Columbus
Types.—Syntypes, No. 481559 USNM

Microdrillia robustula Casey, Brann and Kent, 1960, p. 555, No. 2615c error *Microdrilla infans* (Meyer) ? var., which see.

Microdrillia rostratula Casey Pl. 5, figs. 7, 8 **Turridae**

Microdrillia rostratula Casey, 1903, p. 277; Aldrich, 1921, p. 7

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)

Type.—Lectotype, No. 481550 USNM

Microdrillia solidula Casey Pl. 5, figs. 9, 10 **Turridae**

Microdrillia solidula Casey, 1903, p. 276

Range.—Middle Eocene. "Lower" Claiborne gr. (type)

Locality.—TEXAS: *Lee Co.*, Vesey Creek (type)

Type.—Lectotype, No. 481612 USNM

Microdrillia turriculata (Aldrich) **Turridae**

Mitramorpha [*sic*] *turriculata* Aldrich, 1921, p. 5, pl. 1, fig. 1 error for *Mitromorpha*

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)

Type.—Holotype, No. 13 GSATC

Microdrillia spp. **Turridae**

Pleurotoma infans Meyer, 1886b, p. 75 in part, not pl. 2, fig. 9

Pleurotoma (Mangilia) infans Meyer, Harris, 1895a, p. 62 in part, not pl. 5, fig. 10 = M. *infans bicincta* Harris. Not *Pleurotoma infans* Meyer, 1886b, p. 75 Oligocene

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; ? Gosport sd., uppermost Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton. ? ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. TEXAS: *Brazos Co.*, College Sta.; Collard's farm, Town Branch; *Houston Co.*, 2 mi. W. of Crockett; Jones' farm, Hurricane Bayou

Types.—Unfigured specimens possibly USNM; Harris' specimens originally State Museum, Texas

Microdrillia sp. **Turridae**

Pleurotoma (Mangilia) infans Meyer, Harris, 1899a, p. 24 in part, pl. 3, fig. 3; Brann and Kent, 1960, p. 716. Not *Pleurotoma infans* Meyer, 1886b, p. 75

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, No. 314 PRI

Microdrillia sp. **Turridae**

Scobinella laeviplicata Gabb, Cossmann, 1893, p. 43, pl. 2, fig. 19; Cossmann, 1896b, p. 109, pl. 6, fig. 35 under *Asthenotoma;* Casey, 1903, p. 278; Harris and Palmer, 1947, p. 439, pl. 61, figs. 5, 6 copies Cossmann. Not *S. laeviplicata* Gabb, 1860d, p. 380

Microdrillia "laeviplicata" (Cossmann), Harris, 1937, p. 91, pl. 14, fig. 45 copy Cossmann

The generic determination of this species is in doubt. It is not a *Scobinella*. From the illustration it suggests *Microdrillia*

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson
Type.—Figured specimen, No. 9029 Lab. Géol., Sorbonne, Paris

Microsurcula bellula Casey
See *Raphitoma (Microsurcula) bellula* Casey

Microsurcula carla Harris
See *Raphitoma (Microsurcula) carla* Harris

Microsurcula carolia Harris
See *Raphitoma (Microsurcula) carolia* Harris

Microsurcula georgei (Harris)
See *Raphitoma (Microsurcula) georgei* (Harris)

Microsurcula nucleola Casey
See *Raphitoma (Microsurcula) nucleola* Casey

Microsurcula nucleola veatchi Harris
See *Raphitoma (Microsurcula) nucleola veatchi* Harris

Microsurcula pannekoekae Harris
See *Raphitoma (Microsurcula) pannekoekae* Harris

Microsurcula servatoidea (Harris)
See ? *Surculoma servatoidea* (Harris)

Microsurcula venusta (I. Lea)
See *Raphitoma (Microsurcula) venusta* (I. Lea)

Microsurcula vetusta [*sic*] (I. Lea)
See *Raphitoma (Microsurcula) venusta* (I. Lea)

Mioceras.
See Gastropoda (Pteropoda), Pt. 1, p. 359

Mirula jacksonensis (Cooke)
See *Terebra (Mirula) jacksonensis* Cooke

Mirula mirula (de Gregorio)
See *Terebra (Mirula) mirula* de Gregorio

Mitra (Terebrifusus) amoena (Conrad)
See *Terebrifusus amoena* (Conrad)

Mitra biconica Whitfield
See *Cordieria biconica* (Whitfield)

Mitra bolaris Conrad
See *Caricella bolaris* (Conrad)

Mitra cincta (Meyer)
See *Uromitra gracilis* (H. C. Lea)

Mitra Claibornensis Conrad
See *Lapparia pactilis* (Conrad)

Mitra doliata Conrad
See *Caricella doliata* (Conrad)

Mitra dubia (H. C. Lea)
See *Lapparia pactilis* (Conrad)

Mitra cf. *dubia* (H. C. Lea), Renick and Stenzel, 1931. Not H. C. Lea, 1841
See *Lapparia elongata* Stenzel and Turner

Mitra dumosa Conrad
See *Lapparia dumosa* (Conrad)

Mitra dumosa Conrad var. Aldrich, 1886 Lower Eocene. Not Conrad, 1854. Harris, 1899a, p. 38 species not found as stated by Aldrich
See under *Lapparia dumosa* (Conrad)

Mitra eburnea H. C. Lea
See *Fusimitra perexilis* (Conrad)

Mitra elegans H. C. Lea
See *Terebrifusus amoenus* (Conrad)

Mitra exile Gabb
See *Uromitra brazosana*, Palmer and Brann new name

Mitra Flemingii I. Lea
See *Caricella bolaris* (Conrad)

Mitra fusoides I. Lea
See *Conomitra fusoides* (I. Lea)

Mitra (Conomitra) fusoides lepa de Gregorio
See *Conomitra fusoides lepa* de Gregorio

Mitra georgiana Conrad
See *Lapparia georgiana* (Conrad)

Mitra gracilis H. C. Lea
See *Uromitra gracilis* (H. C. Lea)

Mitra grantensis Johnson
See *Uromitra grantensis* (Johnson)

Mitra Haleanus Whitfield
See *Athleta haleanus* (Whitfield)

Mitra hammakeri Harris
See *Conomitra hammakeri* (Harris)

Mitra hatchetigbeensis Aldrich
See *Mesorhytis* ? *hatchetigbeensis* (Aldrich)

Mitra hatchetigbeensis ? Aldrich, Harris, 1896. Not Aldrich, 1886
See *Mesorhytis* ? sp.

Mitra Humboldtii I. Lea
See *Caricella bolaris* (Conrad)

Mitra lineata I. Lea
See *Uromitra* ? *terplicata* (de Gregorio)

Mitra marylandica Clark
See *Fusimitra marylandica* (Clark)

Mitra Mellingtoni [*sic*] Conrad
See *Fusimitra millingtoni* (Conrad)

Mitra millingtoni Conrad
See *Fusimitra millingtoni* (Conrad)

Mitra minima I. Lea
See *Fusimitra perexilis* (Conrad)

Mitra missipiensis [*sic*] Conrad, de Gregorio, 1890. Not *M. mississippiensis* Conrad, 1848a
See *Fusimitra millingtoni* (Conrad)

Mitra mooreana Gabb
See *Lapparia mooreana* (Gabb)

Mitra, n. sp. aff. *mooreana* Gabb
See *Lapparia crassa* Stenzel and Turner

Mitra (Terebrifusus) multiplicata H. C. Lea
See *Terebrifusus multiplicatus* (H. C. Lea)

Mitra pactilis Conrad
See *Lapparia pactilis* (Conrad)

Mitra perexilis Conrad
See *Fusimitra perexilis* (Conrad)

Mitra pergracilis (Aldrich)
See *Palaeorhaphis pergracilis* (Aldrich)

Mitra polaris (?) [*sic*] Conrad, Tuomey, 1858, p. 266 *nomen nudum*
This is probably a mistake for *Mitra bolaris* Conrad. See *Caricella bolaris* (Conrad)

Mitra (Fusimitra) polita (Gabb)
See *Fusimitra polita* (Gabb)

Mitra pomonkensis Clark and Martin
See *Mesorhytis pomonkensis* (Clark and Martin)

Mitra potomacensis Clark and Martin
See *Mesorhytis* ? *potomacensis* (Clark and Martin)
See also *Mesorhytis* ? sp.

Mitra subconquisita de Gregorio
See *Fusimitra millingtoni* (Conrad)

Mitra subpontis Harris
See *Conomitra subpontis* (Harris)

Mitra terebraeformis Conrad
See *Pyramimitra terebraeformis* (Conrad)

Mitra sp. Clark
See *Mesorhytis* ? *pomonkensis* (Clark and Martin)

Mitra spp. Kellum, 1926
See cf. *Fusimitra* spp.

Mitrella alabamensis (Aldrich) **Columbellidae**

Latirus alabamensis Aldrich, 1895b, p. 11, pl. 1, fig. 17

Mitrella alabamiensis [*sic*] (Aldrich), Harris, 1899a, p. 60, pl. 7, fig. 15 **holotype**

Lathyrus (Leucozonia) alabamiensis [*sic*] (Aldrich), Cossmann, 1901b, p. 52

Mitrella sp. cf. *alabamensis* (Aldrich), Le Blanc, 1942⁺, p. 115, pl. 14, fig. 8

Range.—Cf. Paleocene. "Logansport fm." (name preoccupied), middle Midway gr. Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type). Cf. LA.: *Natchitoches Par.*, NW. [or NE.] ¼ SE. ¼ sec. 33., T. 10 N., R. 10 W. along dirt road leading W. from La. Highway 404

Type.—Holotype, No. 638939 USNM

Mitrella (Bastropia) bastropensis (Harris) **Columbellidae**

Astyris bastropensis Harris, 1895a, p. 74, pl. 8, fig. 2; Pace, 1902, p. 59 [type locality incorrect]

Ptychatractus bastropensis (Harris), Cossmann, 1901b, pp. 53, 54, text fig. 17; *Fusus bastropensis* used in error not *F. bastropensis* Harris, 1895a, p. 71

Mitrella (Bastropia) bastropensis (Harris), Palmer, 1937, p. 283, pl. 37, figs. 1, 7; Wenz, 1941, p. 1138, fig. 3234 copy Palmer; Brann and Kent, 1960, p. 561

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; cf. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); cf. *Burleson* Co., Moseley's Ferry [Stone City Bluff], Brazos R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. ? MISS.: *Newton Co.*, Hickory. Cf. S.C.: *Orangeburg Co.*, Orangeburg district

Type.—Holotype, No. 35630 BEG

Mitrella (Clinurella) bucciniformis (Heilprin) **Columbellidae**

Pisania bucciniformis Heilprin, 1879a, p. 213, pl. 13, fig. 7

Chrysodomus parbrazana Harris, 1895a, p. 74, pl. 7, fig. 9

Mitrella (Clinurella) bucciniformis (Heilprin), Palmer, 1937, p. 281, pl. 38, fig. 7, fig. 9 type *Chrysodomus parbrazana* Harris not *Monopygoma* [sic]; fig. 10 not *Monoptygma* = *Mitrella;* Brann and Kent, 1960, p. 561

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg. Cf. TEXAS: (Harris)

Types.—Holotype, *M. bucciniformis* No. 10267/1 Cat. No. 5559/1 AMNH. Holotype, *C. parbrazana* No. 35666 BEG

Mitrella (Clinurella) casteri Palmer **Columbellidae**

Mitrella (Clinurella) casteri Palmer, 1937, p. 282, pl. 38, figs. 13-15, 18; Brann and Kent, 1960, p. 561

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.

Localities.—S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg (type). Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Types.—Holotype, No. 3032; paratypes, Nos. 3030, 3031, 3033 PRI

Mitrella (Columbellopsis) elevata (I. Lea) **Columbellidae**

Fasciolaria elevata I. Lea, 1833, p. 143, pl. 5, fig. 143; H. C. Lea, 1849, p. 99; Conrad, 1865a, p. 23 with a question; Conrad, 1866a, p. 16 (?); Harris, 1895b, p. 18; Pace, 1902, p. 79

Columbella elevata (I. Lea), de Gregorio, 1890, p. 111 in part, pl. 8, fig. 29 var. *incunctabilis* de Gregorio, fig. 30 copy Lea; Cossmann, 1893, p. 33, pl. 2, fig. 20

Cerithium misgum de Gregorio, 1890, p. 118, pl. 10, fig. 29; Dall, 1892, p. 277 *Astyris*

Atilia elevata (I. Lea), Cossmann, 1901b, p. 243

Mitrella (Columbellopsis) elevata (I. Lea), Palmer, 1937, p. 280, pl. 37, fig. 11; pl. 84, fig. 4 type; Brann and Kent, 1960, p. 561; Glibert, 1963b, p. 43

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5747 ANSP. Holotype, *Cerithium misgum* de Gregorio Coll., No. 26444 PRI

Mitrella (   ) erecta (Aldrich) **Columbellidae**

Sipho erecta Aldrich, 1895b, p. 13, pl. 4, fig. 7; not Harris, 1897a, p. 476, pl. 21, fig. 3 = *Laevibuccinum harrisi* Aldrich

Aesopus erectus (Aldrich), Harris, 1899a, p. 59 in part, pl. 7, fig. 12; not pl. 7, fig. 2 = *Laevibuccinum harrisi* Aldrich; Brann and Kent, 1960, p. 29

Ptychatractus erectus (Aldrich), Cossmann, 1901b, p. 54

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 638947 USNM

Mitrella (Columbellopsis) mississippiensis (Meyer and Aldrich) **Columbellidae**

Columbella mississippiensis Meyer and Aldrich, 1886, p. 43, pl. 2, fig. 17; Pace, 1902, p. 108. Not *Columbella mississippiensis* Aldrich, 1895b, p. 13, pl. 1, figs. 19, 19a = *M. mississippiensis meyeri* Palmer

Astyris mississippiensis (Meyer and Aldrich), Dall, 1890, p. 137 footnote

Mitrella mississippiensis (Meyer and Aldrich), Harris, 1899a, p. 60, pl. 7, fig. 14

Mitrella (Columbellopsis) mississippiensis (Meyer and Aldrich), Palmer, 1937, p. 278, pl. 38, figs. 16, 17, 21, 22 [*Columbelliopsis* typographical error in text]; Brann and Kent, 1960, p. 562

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton (type); Hickory; *Clarke Co.*, Wautubbee. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg. Cf. LA.: *Ouachita Par*, Lapiniere Ldg., E. bank Ouachita R.

Type.—Holotype, No. 638739 USNM

Mitrella (Columbellopsis) mississippiensis meyeri Palmer **Columbellidae**

Columbella mississippiensis Meyer and Aldrich, Aldrich, 1895b, p. 13, pl. 1, figs. 19, 19a. Not *C. mississippiensis* Meyer and Aldrich, 1886, p. 43

Mitrella (Columbellopsis) mississippiensis meyeri Palmer, 1937, p. 279. [*Collumbelliopsis* is typographical error in text]

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Types.—Syntypes, No. 638950 USNM (Aldrich, 1895b, pl. 1, fig. 19); No. 638951 USNM (*ibid*, fig. 19a)

Mitrella (Columbellopsis) parva (H. C. Lea) **Columbellidae**

Buccinum parvum H. C. Lea, 1841, p. 100, pl. 1, fig. 17; Harris, 1895b, p. 32; Pace, 1902, p. 118. Not *Columbella parva* G. B. Sowerby II, 1844, p. 142

Columbella turricula Whitfield, 1865, p. 261, pl. 27, fig. 1; Dall, 1890, p. 137 footnote "not *C. turricula* Sowerby, 1832"; Cossmann, 1893, p. 33, pl. 2, fig. 22 as *turriculata* [*sic*];questioned by Pace, 1902, p. 147; Whitfield, 1899, p. 169

Columbella turriculata [*sic*] Whitfield, de Gregorio, 1890, p. 111, pl. 8, fig. 31 copy Whitfield, fig. 32; fig. 28 *B. parvum* H. C. Lea under *C. elevata* I. Lea

Columbella (Astyris) parva (H. C. Lea), Dall, 1890, p. 137. Not *Columbella parva* G. B. Sowerby I *in* G. B. Sowerby II, 1844, p. 142; not *Columbella parva* Sacco, 1889, p. 349, pl. 2, fig. 77 (Sacco, 1890a, p. 57)

Atilia turricula (Whitfield), Cossmann, 1901b, p. 243

Mitrella (Columbellopsis) parva (H. C. Lea), Palmer, 1937, p. 277, pl. 37, figs. 2, 3; pl. 84, fig. 7 type *Columbella turricula* Whitfield; Glibert, 1963a, p. 44; Woodring, 1964, p. 246

Range.—Middle Eocene. Gosport sd (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, No. 13163 ANSP. Holotype, *Columbella turricula* No. 5532/1 AMNH

Mitreola pactilis (Conrad)
See *Lapparia pactilis* (Conrad)

Mitrolumna eocenensis (Aldrich) **Mitridae**

Mitromorpha eocenensis Aldrich, 1908a, p. 13, text fig.
Mitrolumna eocenensis (Aldrich), Palmer, 1937, p. 414, pl. 66, figs. 4, 6; fig. 5 copy Aldrich; Brann and Kent, 1960, p. 562

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 639050 USNM

Mitromorpha eocenensis Aldrich
See *Mitrolumna eocenensis* (Aldrich)

Mitromorpha jacksonensis (Meyer)
See ? *Scobinella jacksonensis* (Meyer)

Mitromorpha turriculata Aldrich
See *Microdrillia turriculata* (Aldrich)

Mnestia dekayi (I. Lea) **Scaphandridae**

Bulla Dekayi I. Lea, 1833, p. 200, pl. 6, fig. 215; Grateloup, 1837, p. 399; H. C. Lea, 1849, p. 97; de Gregorio, 1890, p. 169, pl. 17, fig. 12 copy Lea in subgenus *Volvula;* Harris, 1895b, p. 15
Cylichna Dekayi (I. Lea), Conrad, 1865a, p. 35; Conrad, 1866a, p. 9; not Meyer, 1887b, p. 54, pl. 3, fig. 10 = *Volvulella meyeri* Cossmann, 1893, p. 49; not *Cylichna meyeri* Aldrich, 1895b, p. 6 Matthews Ldg., Ala.; not Aldrich, 1921, p. 7 *dekayi*, Cave Branch, Ala.
Volvulella Dekayi (I. Lea), Cossmann, 1893, p. 49; Cossmann, 1895b, p. 84, pl. 4, figs. 1, 2
Mnestia dekayi (I. Lea), Palmer, 1937, p. 483, pl. 75, figs. 31-34; pl. 90, fig. 6 type; Brann and Kent, 1960, p. 562
Cylichna (Mnestia) dekayi (I. Lea), Glibert, 1962c, p. 44

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr. Cf. McBean fm. and Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Burleson Co.*, Stone City Bluff, Brazos R.; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129). Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. Cf. S.C.: *Orangeburg Co.*, Orangeburg district about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg
Types.—Syntypes, No. 6007 (fragment), No. 6006 ANSP

Mnestia meyeri (Cossmann) **Scaphandridae**

Cylichna Dekayi (I. Lea) (var. ?), Meyer, 1885a, p. 468; Meyer, 1887b, p. 54, pl. 3, fig. 10
Volvulella Meyeri Cossmann, 1893, p. 49, pl. 1, figs. 38, 39
Mnestia meyeri (Cossmann), Palmer, 1937, p. 483; Harris and Palmer, 1947, p. 451, pl. 64, fig. 5; Brann and Kent, 1960, p. 562

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); Moodys Branch, Jackson
Types.—Syntypes (6), No. 11686 Lab. Géol., Sorbonne, Paris

"Monilea eborea (Wag.) Conr.", Dall, 1892
See *Tiburnus eboreus* (Conrad)

Moniliopsis elaborata (Conrad)
See *Scobinella (Moniliopsis) elaborata* (Conrad)

Moniliopsis hammettensis Harris
See *Scobinella (Moniliopsis) hammettensis* Harris

Moniliopsis nassiformis Harris
See *Scobinella (Moniliopsis) nassiformis* Harris

Moniliopsis sculpturata (Aldrich)
See *Scobinella (Moniliopsis) sculpturata* Aldrich

Monoceras [*sic*] *jacksonium* Harris
See *Cornulina dalli* (Harris)

Monoceros armigera (Conrad)
See *Cornulina armigera* (Conrad)

Monoceros fusiformis I. Lea
See *Pseudoliva vetusta* (Conrad)

Monoceros pyruloides I. Lea
See *Pseudoliva vetusta* (Conrad)

Monoceros sulcatum I. Lea
See *Pseudoliva vetusta* (Conrad)

Monoceros vetusta Conrad
See *Pseudoliva vetusta* (Conrad)
See also *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Monodonta ? glandula Conrad **Trochidae**

Monodonta glandula Conrad, 1830, pp. 214, 220, pl. 9, fig. 15; H. C. Lea, 1849, p. 102; Conrad, 1866a, p. 11
Gibbula glandula (Conrad), Clark, 1895, p. 5; Clark, 1896, p. 72, pl. 14, fig. 5; Clark and Martin, 1901, p. 157, pl. 29, fig. 5

Range.—Paleocene. Aquia fm. (type)
Localities.—MD.: *Prince Georges Co.*, Piscataway (type). VA.: *King George Co.*, Potomac Creek
Types.—Holotype ? + 1 specimen, No. 30556 ANSP Moore, 1962, p. 63

Monoptygma alabamiense I. Lea
See *Monoptygma lymneoides* (Conrad)

Monoptygma crassiplicum Conrad in Gabb **Nassariidae**

Monoptygma crassiplica Conrad *in* Gabb, 1860d, p. 384, pl. 67, fig. 37; Conrad, 1865a, p. 22; Conrad, 1866a, p. 17; Palmer, 1937, p. 298, pl. 38, figs. 3-5; Brann and Kent, 1960, p. 567

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: "Wheelock" (type, Gabb) = *Robertson Co.*, Town Branch of Cedar Creek, near Wheelock (see Stenzel, Krause, and Twining, 1957, p. 11); *Burleson Co.*, big branch

Cedar Cr. E. of Mr. Pollard's (deceased) farm; 3 mi. NW. of Stone City [probably Cedar Cr. near Wheelock, *Robertson Co. fide* Stenzel, pers. com., 1958]; *Bastrop Co.*, Smithville, Colorado R. LA.: *Ouachita Par.*, Monroe

Type.—Missing Moore, 1962, p. 51

Monoptygma curtum Conrad **Nassariidae**

Monoptygma curta Conrad, 1865a, p. 22; Conrad, 1865c, p. 143, pl. 11, fig. 8; Conrad, 1866a, p. 17; Harris, 1895b, p. 14; Cossmann, 1899b, p. 72; Palmer, 1937, p. 298, pl. 85, fig. 8 type

Ancilla (Monoptygma) curta Conrad, de Gregorio, 1890, p. 58, pl. 4, fig. 11 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 15618 ANSP, Moore, 1962, p. 52

Monoptygma elegans I. Lea
See *Acteon pomilius* Conrad

Monoptygma leai Whitfield **Nassariidae**

Monoptygma leai Whitfield, 1865, p. 261, pl. 27, fig. 7; Aldrich, 1887, p. 80; Palmer, 1937, p. 297, pl. 38, figs. 1, 2; figs. 6, 8 holotype; Gardner, 1945, p. 195, pl. 27, figs. 2, 5 holotype; Brann and Kent, 1960, p. 567

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type) (*fide* Aldrich, 1887)

Type.—Holotype, No. UC 24671 CNHM

Monoptygma lymneoides (Conrad) **Nassariidae**

Ancillaria lymneoides Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 42, pl. 16, fig. 6; (Harris reprint, 1893, p. 98, pl. 16, fig. 6); H. C. Lea, 1849, p. 96; d'Orbigny, 1850, p. 352 as *Ancyllaria;* Harris, 1895b, p. 26

Monoptygma alabamiensis I. Lea, 1833, p. 186, pl. 6, fig. 201; H. C. Lea, 1849, p. 102; Conrad, 1865a, p. 22; Conrad, 1866a, p. 17; Harris, 1895b, p. 3 = young *A. lymneoides* Conrad

Ancilla lymneoides (Conrad), Conrad, 1854, p. 30

Monoptygma lymneoides (Conrad), Conrad, 1865a, p. 23; Conrad, 1866a, p. 17; Tryon, 1883a, pp. 61, 91, pl. 3, fig. 23; Cossmann, 1893, p. 40; Cossmann, 1899b, p. 71, pl. 3, figs. 24, 25; Palmer, 1937, p. 296, pl. 38, figs. 19, 20; pl. 84, fig. 3 type, fig. 7 type *M. alabamiensis* I. Lea [*lymneoidies* typographical error in text]; Wenz, 1943, p. 1227, fig. 3492 copy Palmer; Brann and Kent, 1960, p. 567; Glibert, 1963b, p. 99

Ancilla (Monoptygma) Alabamensis (I. Lea), de Gregorio, 1890, p. 58, pl. 4, fig. 10 copy I. Lea

Ancilla (Monoptygma) lymneoides (Conrad), de Gregorio, 1890, p. 58, pl. 4, fig. 14 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype (+8 specimens), No. 15619 ANSP Moore, 1962, p. 72. Holotype ? *M. alabamiense* Lea, No. 5929 ANSP

Monotigma crassispirata (Meyer)
See *Pyramidella (Monotigma) crassispirata* (Meyer)

Morio brevidentata (Aldrich), Clark and Martin, 1901. Not *Cassidaria brevidentata* Aldrich, 1885a Oligocene
See *Galeodea* sp.

Morio Petersoni Conrad
See *Galeodea petersoni* (Conrad)

Morio planotecta (Meyer and Aldrich)
See *Galeodea planotecta* (Meyer and Aldrich)

Morio planotecta (Meyer and Aldrich), Johnson, 1899. Not *Cassidaria planotecta* Meyer and Aldrich
See *Galeodea planotecta jacksonia* Palmer

Mormula clinensis (Aldrich)
See *Turbonilla (Ptycheulimella) clinensis* Aldrich

Mormula mitchelliana Aldrich
See *Pyramidella (Syrnola) mitchelliana* (Aldrich)

Murex alternata I. Lea
See *Laevityphis (Laevityphus) gracilis* (Conrad)

"Murex" angulatus Meyer **Muricidae**

Murex angulatus Meyer, 1886b, p. 74, pl. 2, fig. 18; Dall, 1890, p. 148
"Murex" angulatus Meyer, Harris and Palmer, 1947, p. 338, pl. 44, fig. 6 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638830 USNM

Murex cancellaroides Meyer and Aldrich
See *Coralliophila (Timothia) aldrichi* (Cossmann)

Murex caudatoides (Aldrich) **Muricidae**

Trophon caudatoides Aldrich, 1886, p. 19, pl. 6, fig. 4; de Gregorio, 1890, p. 92, pl. 7, fig. 37 copy Aldrich; Harris, 1899a, p. 61, pl. 8, fig. 2 copy Aldrich

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638753 USNM

Murex colei Palmer **Muricidae**

Murex colei Palmer, 1937, p. 265, pl. 35, figs. 4, 6; Brann and Kent, 1960, p. 570

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg (type)

Type.—Holotype, No. 3002 PRI

Murex (Odontopolys) compsorhytis Gabb
See *Odontopolys compsorhytis* Gabb

Murex conradi d'Orbigny
See *Murex (Phyllonotus) mantelli* Conrad

Murex (Pisania) constrictus (Aldrich)
See *Laevibuccinum constrictum* (Aldrich)

Murex elegantissimus Aldrich
See *Cantharus (Endopachychilus) elegantissimus* (Aldrich)

Murex (Phyllonotus) engonatus Conrad **Muricidae**

Murex engonatus Conrad, 1833b, p. 30 [not illustrated] (Harris reprint, 1893, p. 52); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 365; Conrad, 1865a, p. 16; Conrad, 1865d, p. 210, pl. 20, fig. 10; Conrad, 1866a, p. 18; de Gregorio, 1890, p. 94, pl. 7, fig. 26 copy Conrad; Cossmann, 1893, p. 32; Harris, 1895b, p. 19; Palmer, 1937, p. 267, pl. 36, figs. 9, 10, 13; pl. 84, fig. 6 type; Brann and Kent, 1960, p. 570

Fusus sexangulus Conrad, 1834, p. 144; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 41 = *Murex engonatus* Conrad. Not *Murex sexangula* Dall, 1915, p. 74 Miocene

Murex (Pteronotus) engonatus Conrad, Dall, 1890, p. 142 including *Fusus sexangulus* Conrad

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Hickory; *Clarke Co.*, about 8 mi. W. of Enterprise

Types.—Missing ANSP Moore, 1962, p. 59. Holotype *Fusus sexangulus* Conrad missing ANSP Moore, 1962, p. 96

Murex (Phyllonotus) engonatus marksi Harris **Muricidae**

Murex marksi Harris, 1894b, p. 167, pl. 6, fig. 10; Harris, 1897a, p. 473, pl. 18, fig. 15; Schuchert, *et al.*, 1905, p. 420

Murex (Phyllonotus) engonatus marksi Harris, Harris and Palmer, 1947, p. 339, pl. 44, figs. 14-17; Brann and Kent, 1960, p. 570

Range.—Upper Eocene. Lower Jackson gr. (type); Moodys Branch fm., lower Jackson gr.

Localities.—ARK.: *Cleveland Co.*, 1 mi. NE. of Pansy (type). MISS.: *Hinds Co.*, Moodys Branch, Jackson; Town Creek, Jackson; *Clarke Co.*, Garland Cr., near Shubuta. LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; ½-1 mi. back of Bunker Hill; ½ mi. below Gibson Ldg., Ouachita R. *Grant Par.*, Montgomery Ldg., lower bed; ½ mi. below ferry, Montgomery, Red R.

Type.—Holotype, No. 135148 USNM

Murex (Phyllonotus) engonatus supernus Palmer **Muricidae**

Murex (Phllonotus) engonatus supernus Palmer *in* Harris and Palmer, 1947, p. 341, pl. 44, figs. 1-5; Brann and Kent, 1960, pp. 570, 571

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson. LA.: *Vernon Par.*, "first bluff" Bayou Toro (type); *Catahoula Par.*, Danville Ldg., Ouachita R.; Carter Ldg., Ouachita R.
Types.—Holotype, No. 4653; paratypes, Nos. 4654, 4655 PRI

Murex fusates Harris **Muricidae**

Murex fusates Harris, 1895a, p. 74, pl. 8, fig. 5; Palmer, 1937, p. 265, pl. 37, figs. 17-19, 21; fig. 20 holotype; Brann and Kent, 1960, p. 571

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City
Type.—Holotype, No. 35574 BEG

Murex gosportensis Aldrich *in* Palmer **Muricidae**

Murex gosportensis Aldrich *in* Palmer, 1937, p. 268, pl. 36, fig. 3

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 72 GSATC

Murex laevavaricosus Whitfield **Muricidae**

Murex (Pteronotus ?) laevavaricosa Whitfield, 1892, p. 190, pl. 24, figs. 1, 2; Whitfield, 1899, p. 172

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, not found Rutgers, 1965

Murex (Argobuccinum) mansfieldi Gardner **Muricidae**

Murex (Argobuccinum) mansfieldi Gardner, 1935, p. 258, pl. 23, figs. 3-6

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm. (type), upper Midway gr.
Localities.—TEXAS: *Maverick Co.*, USGS. Sta. 11754, 6 mi. S. of McFarland sheep pens and 27 mi. SE. of Eagle Pass (type); *Bastrop Co.*, USGS Sta. 11696, Colorado R., 1½ mi. below Travis Co. line
Types.—Syntypes (3), No. 370936 USNM

Murex (Phyllonotus) mantelli Conrad **Muricidae**

Murex Mantelli Conrad, 1834, p. 154; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 102; Conrad, 1865a, p. 16; Conrad, 1865d, p. 210, pl. 20, fig. 11; Conrad, 1866a, p. 18; de Gregorio, 1890, p. 95, pl. 7, fig. 28 copy Conrad; Cossmann, 1893, p. 32; Harris, 1895b, p. 27
Murex conradi d'Orbigny, 1850, p. 364
Murex (Muricantha) Mantelli Conrad, Cossmann, 1903b, p. 29, pl. 1, fig. 12

Murex (Phyllonotus) mantelli Conrad, Palmer, 1937, p. 269, pl. 35, figs. 13, 15-17; pl. 84, fig. 10 Conrad type; Brann and Kent, 1960, p. 571

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype (+ 1 specimen), No. 14231 ANSP Moore, 1962, p. 73

Murex marksi Harris
See *Murex (Phyllonotus) engonatus marksi* Harris

Murex matthewsensis Aldrich
See *Pterynotus matthewsensis* (Aldrich)

Murex migus de Gregorio **Muricidae**

Murex migus de Gregorio, 1890, p. 95, pl. 7, figs. 30-33; Cossmann, 1893, p. 32
Murex stetopus de Gregorio, 1890, p. 96, pl. 7, fig. 34
Murex tingarus de Gregorio, 1890, p. 96, pl. 7, fig. 36
Cf. *Murex migus* de Gregorio, Palmer, 1937, p. 268, pl. 35, fig. 1, figs. 3, 7, 8, 11 copies de Gregorio; Brann and Kent, 1960, p. 571

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Hickory (Palmer)
Types.—Holotype, *M. stetopus* de Gregorio, No. 26431 PRI, De Gregorio Coll. Holotypes *M. migus* and *M. tingarus* de Gregorio, formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Murex morulus Conrad
See *Eupleura morula* (Conrad)

Murex sabinola Palmer **Muricidae**

Murex veatchi Palmer, 1937, p. 266, pl. 36, figs. 7, 11, 12; Brann and Kent, 1960, p. 573. Not *Murex veatchi* Maury, 1910, p. 26 Oligocene
Murex sabinola Palmer *in* Brann and Kent, 1960, pp. 572, 989

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129) (type). LA.: *Sabine Par.*, Columbus, Sabine R.
Types.—Holotype, No. 3012; paratypes, Nos. 3011, 3013, 3014 PRI

"Murex septemnarius" Conrad **Muricidae**

Murex septemnarius Conrad, 1834, p. 154; H. C. Lea, 1849, p. 102; Conrad, 1865a, p. 16 as *septenarius* [*sic*]; Conrad, 1866a, p. 18 as *septenarius* [*sic*]; de Gregorio, 1890, p. 94; Harris, 1895b, p. 41; Palmer, 1937, p. 269

"This species was neither figured by Conrad nor by subsequent authors. The type is apparently lost and the species has not been rediscovered."—*fide* Palmer, 1937, p. 269

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Missing, Moore, 1962, p. 95

Murex stetopus de Gregorio
See *Murex migus* de Gregorio

Murex tingarus de Gregorio
See *Murex migus* de Gregorio

Murex vanuxemi Conrad **Muricidae**

Murex Vanuxemi Conrad, App. *in* Morton, 1834, p. 5; d'Orbigny, 1850, p. 364; Conrad, 1865a, p. 16; Conrad, 1865d, p. 210, pl. 20, fig. 4; Conrad, 1866a, p. 19; de Gregorio, 1890, p. 94, pl. 7, fig. 25 copy Conrad; Heilprin, 1891a, p. 395; Cossmann, 1893, p. 32; Harris, 1895b, p. 47; Palmer, 1937, p. 263, pl. 35, figs. 2, 5, 9, 12; pl. 84, fig. 1 type

Murex vanuxemi Conrad, Harris and Palmer, 1947, p. 338 in part, not pl. 44, figs. 10-13; Brann and Kent, 1960, p. 572 in part, Nos. 3000, 3001 only. See *Murex* sp.

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Hickory; 2 mi. NE. of Newton on route 15; *Clarke Co.*, Wautubbee. Cf. TEXAS: *Bastrop Co.*, Smithville, Colorado R.

Type.—Holotype, No. 13756 ANSP, Moore, 1962, p. 106

Murex vanuxemi Conrad, Harris and Palmer, 1947, in part; Brann and Kent, 1960
See *Murex* sp.

Murex vanuxemi silvaticus Palmer **Muricidae**

Murex vanuxemi silvaticus Palmer, 1937, p. 264, pl. 35, figs. 10, 14; Brann and Kent, 1960, p. 573

Hexaplex (Paziella) vanuxemi silvaticus (Palmer), Glibert, 1963b, p. 9

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.

Localities.—LA.: *Winn Par.*, St. Maurice; *Ouachita Par.*, Lapiniere Ldg., E. bank, Ouachita R. (type). TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Types.—Holotype, No. 3003; paratype, No. 3004 PRI

Murex veatchi Palmer. Not Maury, 1910
See *Murex sabinola* Palmer

Murex (Pteropurpura) weisbordi Palmer
See *Pterynotus weisbordi* (Palmer)

Murex sp. **Muricidae**

Murex vanuxemi Conrad, Harris and Palmer, 1947, p. 338, pl. 44, figs. 10-13; Brann and Kent, 1960, p. 572 in part Nos. 4648, 4649 only. Not *M. vanuxemi* Conrad, 1865d, p. 210

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Town Creek, Jackson. LA.: *Caldwell Par.*, Gibson Ldg., ¾ mi. below ldg., Ouachita R.; 1 mi. above Gibson Ldg., Ouachita R.; ½ mi. below Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.
Types.—Figured specimens, Nos. 4648, 4649 PRI

Murex sp. **Muricidae**

Murex sp., Whitfield, 1892, p. 191, pl. 24, fig. 3; Whitfield, 1899, p. 172

Range.—Middle Eocene. Shark R. ml., upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R.
Type.—Figured specimen, not found Rutgers, 1965

Muricantha Mantelli (Conrad)
See *Murex (Phyllonotus) mantelli* Conrad

Muricidea imbricatula (Harris)
See *Penion imbricatulus* (Harris)

Muricopsis aldrichi Cossmann
See *Coralliophila (Timothia) aldrichi* (Cossmann)

Muricopsis (Odontopolys) compsorhytis Gabb
See *Odontopolys compsorhytis* Gabb

Muricopsis sp. **Muricidae**

Muricopsis sp., Cossmann, 1903b, p. 34

Range.—Paleocene. Midway gr.
Locality.—TEXAS
Type.—Unfigured specimen, presumably Cossmann Coll., Lab. Géol., Sorbonne, Paris

Murotriton grassator de Gregorio **Muricidae**

Triton ? (Murotriton) grassator de Gregorio, 1890, p. 97, pl. 7, figs. 41-43
Murotriton grassator de Gregorio, Cossmann, 1893, p. 32; Cossmann, 1903b, p. 90; Palmer, 1937, p. 270, pl. 36, figs. 2, 6; Brann and Kent, 1960, p. 574; E. H. Vokes, 1964, p. 30

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Syntype (fig. 41), No. 26433 PRI, De Gregorio Coll.

Murotriton mcglameriae Palmer **Muricidae**

Murotriton mcglameriae Palmer, 1937, p. 271, pl. 36, figs. 4, 8; Brann and Kent, 1960, p. 574

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Hickory (type). S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg
Type.—Holotype, No. 3010 PRI

Narona (Sveltia) alveata (Conrad)
See *Sveltia alveata* (Conrad)

Narona ( ) **greggi** (Harris) **Cancellariidae**
Cancellaria quercollis greggi Harris, 1899a, p. 26, pl. 3, fig. 6; Harris, 1899b, p. 305, pl. 54, fig. 3 holotype; Brann and Kent, 1960, p. 166

Range.—Lower Eocene. Greggs Ldg. beds (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); Bells Ldg., Alabama R. TEXAS: *Sabine Co.*, Pendleton, Sabine R.
Type.—Holotype, No. 316 PRI

Narona (Sveltella) parva (I. Lea)
See *Sveltella parva* (I. Lea)

Narona ( ) **potomacensis** Clark and Martin **Cancellariidae**
Cancellaria (Narona) potomacensis Clark and Martin, 1901, p. 129, pl. 21, figs. 3, 3a

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Charles Co.*, 1 mi. SE. Mason Springs (text) or *Prince Georges Co.*, 1 mi. NE. Piscataway (on plate and label) (type) [original entry in Accession Book indicates both localities with "or" *fide* D. M. Raup, Aug. 19, 1964]
Type.—Holotype (figured specimen not labelled type in catalogue *fide* D. M. Raup, Aug. 19, 1964) USNM

Narona ( ) **quercollis** (Harris) **Cancellariidae**
Volutilithes quercollis Harris, 1896, p. 85, pl. 8, fig. 4; Brann and Kent, 1960, p. 977
Cancellaria quercollis (Harris), Harris, 1899a, p. 26 in *C. quercollis greggi*
Volutocorbis quercollis (Harris), Gardner, 1935, p. 236 "Black Bluff, on Alabama R., Ala."

Range.—Paleocene. Naheola fm. (type), upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Dale's Branch, near Oak Hill (type); *Sumter Co.*, Black Bluff, sec. 11, T. 16 N., R. 1 W., Tombigbee R. (Gardner, 1935, p. 236)
Type.—Holotype, No. 97, PRI

Nassa calli Aldrich
See *Buccinanops calli* (Aldrich)

Nassa cancellata I. Lea
See *Buccitriton sagenum* (Conrad)

Nassa confiscatum de Gregorio
See *Dorsanum bellaliratum* (Gabb)

Nassa exilis (Conrad)
See *Nassarius exilis* (Conrad)

Nassa impectens de Gregorio
See *Buccitriton sagenum* (Conrad)

Nassa iteranda de Gregorio
See *Buccitriton iterandum* (de Gregorio)

Nassa lucrifacta de Gregorio
See *Buccitriton lucrifactum* ? (de Gregorio)

Nassa mangonizata de Gregorio
See *Buccitriton mangonizatum* (de Gregorio)

Nassa pleona Aldrich
See *Buccitriton mangonizatum* (de Gregorio)

Nassa prostrata de Gregorio
See *Buccitriton sagenum* (Conrad)

Nassa sagena Conrad
See *Buccitriton sagenum* (Conrad)

Nassa texana (Gabb)
See *Buccitriton texanum* (Gabb)

Nassarius exilis (Conrad) **Nassariidae**

Simpulum (Epidromus) exilis Conrad, 1860, p. 293, pl. 47, fig. 31
Simpulum exilis Conrad, Conrad, 1865a, p. 20; Conrad, 1866a, p. 17 *exile*
Triton exilis (Conrad), Aldrich, 1886, p. 56; de Gregorio, 1890, p. 98, pl. 7, fig. 44 copy Conrad; Cossmann, 1893, p. 32
Cominella ? *iteranda* de Gregorio, Cossmann, 1893, p. 34
Nassa ( ) *exilis* (Conrad), Harris, 1899a, p. 57, pl. 7, fig. 9; Harris, 1899b, p. 307, pl. 55, fig. 1 copy Harris 1899a; Brann and Kent, 1960, p. 579
Tritonium (Colubraria) exile (Conrad), Cossmann, 1903b, p. 100
Alectrion sp. cf. *A. exilis* (Conrad), Gardner, 1924, pp. 142, 143; Gardner, 1935, p. 256
Alectrion exilis (Conrad), F. B. Plummer, 1933, p. 605
Nassarius exilis (Conrad), Le Blanc, 1942$^+$, p. 122, pl. 15, figs. 7, 8

Range.—Lower Eocene. Lower to upper Wilcox [Sabine] gr. See Harris, 1899a, p. 57; Gardner, 1935, p. 256; Le Blanc, 1942$^+$, p. 122

Localities.—ALA.: Type not designated; *Monroe Co.*, Greggs Ldg., Alabama R. (Harris); Hamilton Bluff, Alabama R. (Harris); NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (Harris). TEXAS: See Gardner, 1935, p. 256. LA.: See Le Blanc, 1942$^+$, p. 122

Type.—Missing ANSP Moore, 1962, p. 60

Nasseburna calli (Aldrich)
See *Buccinanops calli* (Aldrich)

Natella Palmer, 1937, p. 112 new section = *Tella* Palmer, 1942, p. 674 new name for *Natella*

Natella magnoumbilicata (I. Lea)
See *Natica (Tella) magnoumbilicata* I. Lea

Natella semilunata (I. Lea)
See *Natica ("Naticarius") semilunata* I. Lea

Natica acuta Gabb *in* Kennedy, 1895, p. 116 is *nomen nudum*, probably typographical error for *N. arata* Gabb, 1860d [*fide* Palmer, 1937, p. 133]

Natica aetites Conrad
See *Neverita limula* (Conrad)

Natica alabamiensis Whitfield
See *Lacunaria alabamiensis* (Whitfield)

Natica (Girodes) alabamiensis Whitfield, Harris, 1896. Not Whitfield, 1865
See *Lacunaria* sp.

Cf. **Natica aperta** Whitfield **Naticidae**

Natica (Girodes) aperta Whitfield, 1865, p. 265; Whitfield, 1899, p. 172 *Gyrodes*
Natica aperta Whitfield, Aldrich, 1886, p. 56; Harris, 1899a, p. 90, pl. 11, fig. 27; Harris, 1899b, p. 308, pl. 55, fig. 8; Deussen, 1924, p. 49, pl. 15, fig. 2; Le Blanc, 1942⁺, p. 89, pl. 12, figs. 15, 16; Brann and Kent, 1960, p. 580
Polynices (Neverita) aperta (Whitfield), Dall, 1892, p. 368
Gyrodes (Sigaretopsis) aperta Whitfield, Gardner, 1945, p. 170, pl. 14, fig. 9 holotype
Sigatica (Sigaretopsis) aperta (Whitfield), Glibert, 1963b, p. 94

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.

Localities.—ALA.:*Monroe Co.*, "six miles above Claiborne" (Whitfield type) = Greggs Ldg., Alabama R.; Bells Ldg., Alabama R.; Lower Peachtree Ldg., Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R.; *Wilcox Co.*, Yellow Bluff, Alabama R. TEXAS: *Sabine Co.*, Pendleton; Pendleton Bluff, ¼ mi. upstream from bridge over Sabine R. on La. Highway 6

Type.—Holotype, No. UC 24509 CNHM

Natica (Polynices) arata (Gabb)
See *Polinices aratus* (Gabb)

Natica bi-sulcata Heilprin
See *Natica (Tella) magnoumbilicata* I. Lea

Natica (Signaticus) clarkeana (Aldrich)
See *Sigatica clarkeana* Aldrich

Natica cliftonensis Clark
See cf. *Neverita cliftonensis* (Clark)

Natica (Megatylotus) crassatina Lamarck, de Gregorio, 1890. Not Lamarck, 1804c
See *Ampullina* sp.

Natica dumblei Heilprin
See *Ampullella dumblei* (Heilprin)

Natica eborea Conrad
See *Tiburnus eboreus* (Conrad)

Natica eminula (Conrad)
See *Polinices eminulus* (Conrad)

Natica eminula Conrad, Harris, 1896. Not Conrad, 1833c
See *Polinices eminulus* (Conrad) variation

Natica eminula Conral var., Harris, 1899a, 1899b. Not Conrad, 1833c
See *Euspira marylandica* (Conrad) variation

Natica (Euspira) enterogramma (Gabb)
See *Bolis enterogramma* (Gabb)
See also *Bolis lisboa* Gardner

Natica erecta Whitfield
See *Lacunaria erecta* (Whitfield)

Natica gibbosa I. Lea
See *Neverita limula* (Conrad)

"Natica" gilberti Palmer **Naticidae**

Natica magno-umbilicata I. Lea, Aldrich, 1886, p. 51; Dall, 1892, p. 366 in part; Harris, 1899a, p. 89, pl. 11, fig. 23. Not I. Lea, 1833, p. 109

"Natica" gilberti Palmer, 1937, p. 119, pl. 11, figs. 14, 16, 17; Brann and Kent, 1960, p. 582

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Alabama R. (type)

Types.—Syntypes, Nos. 2775, 2776, 2777 PRI

Cf. **Natica globulella** Whitfield **Naticidae**

Natica globulella Whitfield, 1892, p. 226, pl. 34, figs. 1-4; Whitfield, 1899, p. 172

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Types.—Syntypes, No. 9758/1 AMNH

Natica Gregorioi Cossmann
See *"Natica" (Naticarius) semilunata* I. Lea

Natica limula Conrad
See *Neverita limula* (Conrad)

Natica limula Conrad, Conrad, 1857. Not Conrad, 1833c
See *Natica* sp.

Natica limula Conrad, Harris, 1896. Not Conrad, 1833c
See *Neverita* sp.

Natica lisbonensis Aldrich, 1886, p. 46 is a *nomen nudum;* Dall, 1892, p. 371 [*fide* Palmer, 1937, p. 133]

Natica (Tella) magnoumbilicata I. Lea **Naticidae**

Natica magno-umbilicata I. Lea, 1833, p. 109, pl. 4, fig. 94; H. C. Lea, 1849, p. 102; Tuomey, 1858, p. 266, ? p. 271; Conrad, 1866a, p. 15; Dall, 1892, p. 366 in part; Harris, 1895b, p. 27

Natica magnoumbilicata I. Lea, Conrad, 1865a, p. 26; Cossmann, 1893, p. 25, pl. 2, figs. 28, 29; Cossmann, 1925b, p. 112

Natica ? bi-sulcata Heilprin, 1879a, p. 212, pl. 13, fig. 4; Meyer, 1887a, p. 18

Not *Natica magno-umbilicata* I. Lea, Aldrich, 1886, p. 51; Harris, 1899a, p. 89, pl. 11, fig. 23 = *N. gilberti* Palmer; Brann and Kent, 1960, p. 582 = *N. gilberti* Palmer

Natica Noae magnoumbilicata I. Lea, de Gregorio, 1890, p. 149, pl. 14, figs. 43-46, fig. 47 copy I. Lea

Natica (Naticarius) magnoumbilicata I. Lea, Palmer, 1937, p. 113, pl. 11, figs. 1-3 section *Natella;* pl. 80, fig. 2 *N. bisulcata* type, fig. 3 type I. Lea; Palmer, 1942, p. 674 *Tella* new name for *Natella* type species *N. magnoumbilicata;* Harris and Palmer, 1947, p. 246; Brann and Kent, 1960, p. 583 only

Natica (Natella) magnoumbilicata I. Lea, Wenz, 1941, p. 1040, fig. 2976 copy Palmer

Naticarius (Natella) magnoumbilicatus (I. Lea), Glibert, 1963a, p. 102

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype, No. 5532 ANSP. Holotype *N. bisulcata*, Heilprin No. 10134/1 Cat. No. 5551/1 AMNH

Natica magnoumbilicata I. Lea, Aldrich, 1886; Dall, 1892 in part; Harris, 1899a. Not I. Lea, 1833
See *"Natica" gilberti* Palmer

Natica mamma I. Lea
See *Neverita limula* (Conrad)

Natica marylandica (Conrad)
See *Euspira marylandica* (Conrad)

"Natica" mediavia Harris **Naticidae**

Natica mediavia Harris, 1896, p. 117, pl. 12, fig. 15; Shimer and Shrock, 1944, p. 485, pl. 199, fig. 3 copy Harris; Brann and Kent, 1960, p. 583

? *Natica mediavia* Harris, Harris, 1897a, p. 480, pl. 23, fig. 8

Range.—Paleocene. Clayton fm., lower Midway gr.; uppermost Midway gr. (type)

Localities.—GA.: *Clay Co.*, Chattahoochee R. at Fort Gaines (type). ALA.: *Barbour Co.*, 1⅓ mi. NE. of Clayton; ? *Wilcox Co.*, Matthews Ldg., Alabama R.

Type.—Holotype, No. 118 PRI

Natica minima I. Lea
See *"Natica" "(Naticarius)" semilunata* I. Lea

Natica minor I. Lea
See *"Natica" "(Naticarius)" semilunata* I. Lea

Natica mississippiensis Heilprin, 1881 list name only = *nomen nudum*
See *Ampullella recurva* (Aldrich) "var."

Natica moorei (Gabb)
See *"Lunatia" moorei* Gabb

Natica newtonensis Meyer and Aldrich
See *Euspira newtonensis* (Meyer and Aldrich)

Natica noae magnoumbilicata I. Lea
See *Natica (Tella) magnoumbilicata* I. Lea

Natica onusta Whitfield
See *Polinices onustus* (Whitfield)

Natica onusta Whitfield, Harris, 1899a in part. Not Whitfield, 1865
See *Polinices* sp.

Natica parva I. Lea
See *Polinices eminulus* (Conrad)

Natica permunda Conrad **Naticidae**

Natica permunda Conrad *in* Wailes, 1854, p. 289, pl. 16, fig. 2 (reprint, 1939, p. 19, pl. 3, fig. 2); Conrad, 1856a, p. 260 (reprint, 1939, p. 6); Conrad, 1865a, p. 26; Conrad, 1866a, p. 25; Dall, 1892, p. 365 in part; Cossmann, 1925b, p. 113 sec. *Nacca* error in placing in Miocene; typ. error Missouri for Mississippi; Stewart, 1927, p. 323

Natica (Naticarius) permunda Conrad, Harris and Palmer, 1947, p. 246, pl. 29, figs. 1, 2 operculum, figs. 3, 4 type ANSP, figs. 5, 6; Brann and Kent, 1960, p. 584

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo cl., upper Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Hinds Co.*, Moodys Branch (type), Jackson; Town Cr., Jackson; *Clarke Co.*, Garland Cr., near Shubuta. LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.; *Caldwell Par.*, 1 mi. above, ½ mi. below, and at Gibson Ldg., Ouachita R.; Wyant [Myatt] Bluff, Ouachita R.; Grandview Bluff, Ouachita R.; *Vernon Par.*, Bayou Toro, SE. ¼ NW. ¼ sec. 6, T. 3 N., R. 11 W. TEXAS.: *Sabine Co.*, Texas side Sabine R., opposite SW. corner SE. ¼ sec. 35 T. 5 N., R. 13 E. Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Types.—Holotype, (+1 specimen), No. 13214 ANSP Moore, 1962, p. 86

Natica perspecta Whitfield
See Euspira perspecta (Whitfield)

"Natica (Euspira) promovens" de Gregorio **Naticidae**

Natica (Euspira) promovens de Gregorio, 1890, p. 154, pl. 15, figs. 6a, b; Cossmann, 1893, p. 26; Palmer, 1937, p. 133

Range.—Middle or upper Eocene (type)

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

"Natica (Euspira) propeconica" de Gregorio **Naticidae**

Natica (Euspira) propeconica de Gregorio, 1890, p. 153, pl. 15, figs. 7a, b; Cossmann, 1893, p. 26; Palmer, 1937, p. 132 as *Propeconca* [*sic*]

Range.—Middle or upper Eocene (type)
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Natica rectilabrum Conrad
See *"Natica" saffordia* Harris

Natica recurva Aldrich
See *Ampullella recurva* (Aldrich)

Natica (Naticarius) reversa Whitfield Pl. 4, fig. 8 **Naticidae**

Natica reversa Whitfield, 1865, p. 264; Harris, 1896, p. 119, pl. 12, fig. 19; Whitfield, 1899, p. 172; Brann and Kent, 1960, p. 585
Ampullina reversa (Whitfield), Dall, 1892, p. 375

Range.—Paleocene. Naheola fm., upper Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, "nine miles below Prairie Bluff" (Whitfield type); Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.; 1 mi. W. of Oak Hill
Types.—Syntypes (2), No. UC 24516 CNHM

"Natica" saffordia Harris **Naticidae**

Natica rectilabrum Conrad, Safford, 1869, p. 419 in part. Not Conrad, 1858c, p. 334
Natica saffordia Harris, 1896, p. 118, pl. 12, fig. 18; ? Gardner, 1935, p. 305

Range.—Paleocene. Porters Creek fm. (type), upper Midway gr.
Localities.—TENN.: *Hardeman Co.*, 2 mi. E. of Middleton (type). ? TEXAS: *Kaufman Co.*, Water Hill, 5 mi. NE. Kemp; *Falls Co.*, Little Brazos R. less than ¼ mi. upstream from Rocky Crossing on Kosse rd.
Type.—Unknown. Type in Safford Coll. seen by Harris, 1896

"Natica" "(Naticarius)" semilunata I. Lea **Naticidae**

Natica semilunata I. Lea, 1833, p. 108, pl. 4, fig. 93; H. C. Lea, 1849, p. 102; not Conrad, 1855, p. 10 (reprint, Dall, 1909, p. 164); Tuomey, 1858, pp. 266, ? 271, 274; Dall, 1892, pp. 364, 365 in part; Cossmann, 1893, p. 25; Harris, 1895b, p. 41; Harris, 1899a, p. 86 in part, not pl. 11, figs. 18, 19 = *Natica* sp.; Shimer and Shrock, 1944, p. 485 in part, not pl. 199, fig. 4 copy Harris; not Brann and Kent, 1960, p. 585
Natica minor I. Lea, 1833, p. 107, pl. 4, fig. 90; H. C. Lea, 1849, p. 102; Conrad, 1865a, p. 26; Conrad, 1866a, p. 15; de Gregorio, 1890, p. 150 in part, pl. 14, fig. 50 ?, fig. 51 copy Lea; Dall, 1892, p. 364; Cossmann, 1892, p. 1003 = *N. Gregoriori;* Cossmann, 1893, p. 25; Harris, 1895b, p. 28; Harris, 1895c ms. catalogue Lea Coll. pathologic specimen
Natica minima I. Lea, 1833, p. 107, pl. 4, fig. 91; H. C. Lea, 1849, p. 102; Conrad, 1865a, p. 26 [also under *Lunatia*]; Conrad, 1866a, p.

15 [also under *Lunatia*]; de Gregorio, 1890, p. 150, pl. 14, fig. 35 copy Lea, fig. 36 var. *pusilliuscula* [young]; Dall, 1892, p. 370; Cossmann, 1893, p. 25; Harris, 1895b, p. 28

Natica aetites Conrad, App. *in* Morton, 1834, p. 4 in part. Not Conrad, 1833b, p. 46 not authors [see under *N. limula*]

Lunatia semilunata (I. Lea), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15

Natica (Lunatia) semilunata I. Lea, de Gregorio, 1890, p. 148, pl. 14, figs. 29, 30, fig. 31 copy Lea, not fig. 32 see *Euspira newtonensis;* Cossmann, 1925b, p. 112 section *Nacca*

? *Natica epiglottina* Lamarck, de Gregorio, 1890, p. 148, pl. 14, figs. 37-40 = *N. gregorioi* Cossmann, 1892, p. 1003 = *N. minor* Lea, Cossmann, 1893, p. 25. Not *N. epiglottina* Lamarck, Deshayes, 1825, p. 165, pl. 20, figs. 5-11

Natica (Lunatia) Matheroni Deshayes, de Gregorio, 1890, p. 149, pl. 14, fig. 33 = *N. gregorioi* Cossmann, 1892, p. 1003 in part = *N. minor;* Cossmann, 1893, p. 25. Not *N. Matheroni* Deshayes, 1865a, p. 47, pl. 67, fig. 20

"Natica" "(Naticarius)" semilunata I. Lea, Palmer, 1937, p. 114 in part, pl. 11, figs. 11-13; pl. 80, fig. 1 holotype *N. minor* I. Lea, fig. 6 *N. semilunata* I. Lea; fig. 11 *N. minima* I. Lea; not pl. 80, fig. 12 as in Palmer, 1937, p. 114 = *N. aetites* see *N. limula;* Brann and Kent, 1960 in part, p. 585 only

Naticarius (Natella) semilunatus I. Lea, Glibert, 1963a, p. 103

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 5529 ANSP. Holotype *N. minor* I. Lea, No. 5524 ANSP. Holotype *N. minima* I. Lea, ? No. 5525 ANSP

Natica (Lunatia) semilunata I. Lea, de Gregorio, 1890 in part. Not I. Lea, 1833
See *Euspira newtonensis* Meyer and Aldrich

Natica semilunata I. Lea, Harris, 1899a in part. Not I. Lea, 1833
See *Euspira sabina* (Palmer)
See also *Natica* sp.

Natica semilunata I. Lea var. Harris, 1899a
See *Euspira leana* (Palmer)
See also *Natica* sp.

Natica semilunata var. *janthinops* Kennedy, 1895, pp. 103, 123 is a *nomen nudum* [*fide* Palmer, 1937, p. 133]

Natica semilunata leana Palmer
See *Euspira leana* (Palmer)
See also *Euspira jacksonensis* Palmer

Natica semilunata sabina Palmer
See *Euspira sabina* (Palmer)

Natica striata I. Lea
See *Sinum bilix* (Conrad)

"Natica" sp. **Naticidae**

Natica limula Conrad, 1857, p. 162, pl. 19, fig. 7 as *eminula*. Not *N. limula* Conrad, 1833c, p. 46 or *N. eminula* Conrad, 1833c, p. 46 both species from Gosport sd.

Range.—Eocene

Locality.—Western Texas

Type.—Figured specimen missing USNM, 1964

Natica spp. **Naticidae**

"Natica" "(Naticarius)" semilunata I. Lea, Palmer, 1937, p. 114 in part, pl. 11, fig. 10 only as "var." *janthinops nomen nudum;* Brann and Kent, 1960, p. 586. Not I. Lea, 1833, p. 108

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, Moseleys Ferry [Stone City Bluff], Brazos R.; *Bastrop Co.*, Smithville, S. bank of Colorado R. at about 200 yds. W. of bridge. MISS.: *Newton Co.*, 2 mi. NE. of Newton; Hickory; Indian Mound, 3 mi. E. of Newton; *Clarke Co.*, Wautubbee. LA.: *Sabine Par.*, Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg

Type.—Figured specimen, No. 2774 PRI

Natica sp. **Naticidae**

Natica semilunata I. Lea "var." Harris, 1899a, p. 86, pl. 11, fig. 19; Brann and Kent, 1960, p. 586

Range.—Lower Eocene. Wilcox [Sabine] gr.

Locality.—Not designated. Harris regarded the specimen, plate 11, figure 19 diseased. This could well be.

Type.—Figured specimen, lost prior to 1937

Natica sp. **Naticidae**

Natica sp. Richards, 1950, p. 15

Range.—Middle Eocene. ? Upper Claiborne gr.

Locality.—N.C.: *Johnston Co.*, 3 mi. W. of Clayton

Type.—Unfigured specimen, ANSP

Naticarius magnoumbilicatus (I. Lea)
See *Natica (Tella) magnoumbilicata* I. Lea

Naticarius permundus (Conrad)
See *Natica (Naticarius) permunda* Conrad

Naticarius semilunatus (I. Lea)
See *"Natica" (Naticarius) semilunata* I. Lea

Neoathleta wheelockensis (Cossmann)
See *Athleta wheelockensis* (Cossmann)

Neosimnia regularoidea (Aldrich) **Amphiperatidae**

Ovula regularoidea Aldrich, 1921, p. 14, pl. 1, fig. 30
Transovula (Transovula) eugenei regularoidea (Aldrich), Schilder, 1932, p. 224

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type)
Type.—Holotype, No. 34 GSATC

Neosimnia subtruncata (Johnson) **Amphiperatidae**

Ovula (Simnia) subtruncata Johnson, 1899, p. 79
Neosimnia (Neosimnia) subtruncata (Johnson), Schilder, 1932, p. 236
Neosimnia subtruncata (Johnson), Palmer, 1937, p. 239, pl. 31, fig. 15 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon (type)
Type.—Holotype, No. 9452 ANSP

Neosimnia texana (Johnson) **Amphiperatidae**

Ovula (Simnia) texana Johnson, 1899, p. 79
Transovula (Transovula) eugenei texana (Johnson), Schilder, 1932, p. 224
Neosimnia texana (Johnson), Palmer, 1937, p. 239, pl. 31, fig. 16 holotype [spelled incorrectly as *Neosmnia exana* p. 239]

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Houston Co.*, Alabama Bluff, Trinity R., 15 mi. SW. Crockett (type) [probably Bur. Ec. Geol. loc. 113-T-9 see Stenzel and Turner, 1940, p. 813 and Stenzel, Krause, and Twining, 1957, p. 51]
Type.—Holotype, No. 9208 ANSP

Neptunaea enterogramma Gabb, Aldrich, 1886, p. 47, pl. 3, fig. 5
See *Bolis lisboa* Gardner

Neptunea constricta Aldrich
See *Laevibuccinum constrictum* (Aldrich)

Neptunea decisa (Conrad)
See "*Fusus*" *decisus* Conrad

Neptunea enterogramma Gabb
See *Bolis enterogramma* (Gabb)
See also *Bolis lisboa* Gardner

Neptunea ? Eocenicus Whitfield
See *Papillina eocenica* (Whitfield)

Neptunea ? Hector Whitfield
See *Falsifusus hector* (Whitfield)

Neptunea ? Hector var. *multilineata* Whitfield
See *Falsifusus hector multilineatus* (Whitfield)

Neptunea impressa Gabb
See cf. *Mazzalina impressa* (Gabb)

Neptunea irrasa (Conrad)
See *Levifusus irrasus* (Conrad)

Neptunea matthewensis Aldrich
See *Laevibuccinum constrictum* (Aldrich)

Neptunea mortoni (I. Lea)
See *Levifusus mortoni* (I. Lea)

Neptunea ? staminea (Conrad), Whitfield, 1892. Not *Fusus stamineus* Conrad, 1833c
See cf. *Papillina* sp.

Neptunea submortonii (Gabb), Conrad, 1866a, p. 19; de Gregorio, 1890, p. 83; Palmer, 1937, p. 336 is a *nomen nudum*

"Neptunea" sp. **Buccinidae**
Neptunea sp. Gardner, 1935, p. 252

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bastrop Co.*, USGS sta. 10527, Colorado R., ¼ mi. above mouth Dry Cr., 4¼ to 4¾ mi. downstream from Webberville
Type.—Unfigured specimen probably USNM

"Neptunea" sp. **Buccinidae**
Neptunea sp. Gardner, 1935, p. 252

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Travis Co.*, USGS sta. 5282, clay from bluff at Webberville
Type.—Unfigured specimen probably USNM

"Neptunea" sp. **Bcccinidae**
Neptunea sp. Gardner, 1935, p. 252

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bexar Co.*, USGS sta. 8245, well left bank Salado Cr., 5.3 mi. SE. of San Antonio
Type.—Unfigured specimen probably USNM

Neritina unidenta Aldrich **Neritidae**
Neritina unidenta Aldrich, 1911, p. 13, pl. 5, figs. 7, 8

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville
Type.—Holotype, No. 639134 USNM

Neverita aetites Conrad
See *Neverita limula* (Conrad)

Neverita aperta (Whitfield)
See cf. *Natica aperta* Whitfield

Neverita arata Gabb
See *Polinices aratus* (Gabb)

Cf. **Neverita cliftonensis** (Clark) **Naticidae**

Natica cliftonensis Clark, 1895, p. 4; Clark, 1896, p. 69, pl. 12, fig. 4; Clark and Martin, 1901, p. 150, pl. 28, fig. 1 holotype

Range.—Paleocene. Aquia fm. (type). ? Lower Eocene. Nanjemoy fm.
Localities.—MD.: *Charles Co.*, Clifton Beach (type). ? VA.: *King George Co.*, Woodstock
Type.—Holotype, USNM

Neverita gibbosa (I. Lea)
See *Neverita limula* (Conrad)
See also *Polinices aratus* (Gabb)

Neverita limula (Conrad) **Naticidae**

Natica limula Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 102; d'Orbigny, 1850, p. 346; not Conrad, 1857, p. 162, pl. 19, fig. 7 as *eminula* (= "*Natica*" sp.); Heilprin, 1891a, p. 399; Harris, 1895b, p. 24; Harris, 1896, p. 118 in part, not pl. 12, fig. 16 =*Neverita* sp.
Natica aetites Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4 in part; H. C. Lea, 1849, p. 102; d'Orbigny, 1850, p. 345; not Conrad, 1855, p. 10 (reprint Dall, 1909, p. 164); cf. Conrad, 1856c, p. 321, pl. 2, fig. 7 [*eminula* on plate, shell partially figured]; Harris, 1895b, p. 2
Natica gibbosa I. Lea, 1833, p. 108, pl. 4, fig. 92; H. C. Lea, 1849, p. 102; not Conrad, 1855, p. 10 (reprint Dall, 1909, p. 164); Tuomey, 1858, p. 266, cf. p. 271; de Gregorio, 1890, p. 152, pl. 14, fig. 34 copy I. Lea; Harris, 1895b, p. 20 = *N. limula* Conrad
Natica mamma I. Lea, 1833, p. 109, pl. 4, fig. 95; H. C. Lea, 1849, p. 102; Cossmann, 1893, p. 26; Harris, 1895b, p. 27
Neverita aetites (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15
Neverita gibbosa (I. Lea), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15; Dall, 1892, p. 367 under *Polynices*
Neverita limula (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15; de Gregorio, 1890, p. 153; Palmer, 1937, p. 125 in part, pl. 13, figs. 13, 14, 16, 19-22; pl. 80, fig. 12 type *N. aetites*, cf. fig. 13, fig. 16 lectotype; Brann and Kent, 1960, pp. 590, 591
Natica (Neverita) mamma (I. Lea), de Gregorio, 1890, p. 152, pl. 14, figs. 18-20, 21a, b, 22; fig. 24 copy I. Lea; Cossmann, 1925b, p. 117
Natica (Neverita) gibbosa (I. Lea), Cossmann, 1925b, p. 117
Neverita (Glossaulax) limula (Conrad), Glibert, 1963a, p. 84

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 5 remaining specimens No. 12797 ANSP Moore, 1962, p. 70. Lectotype + remaining specimens, *Natica aetites* Conrad No. 12796 ANSP Moore, 1962, p. 35. Holotype *N. gibbosa* I. Lea, No. 5528 ANSP. Holotype ? *N. mamma* I. Lea, No. 5533 ANSP

Neverita limula (Conrad), Palmer, 1937 in part. Not Conrad, 1833c
See *Neverita* spp.

Neverita mamma (I. Lea)
See *Neverita limula* (Conrad)

Neverita onusta (Whitfield)
See *Polinices onusta* Whitfield

Neverita sp. **Naticidae**

Natica limula Conrad, Harris, 1896, p. 118, pl. 12, fig. 16. Not Conrad, 1833c, p. 46

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.
Type.—Figured specimen, No. 15166 ANSP

Neverita spp. **Naticidae**

Neverita limula (Conrad), Palmer, 1937, p. 125 in part. Not Conrad, 1833c, p. 46

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.; *Burleson Co.*, big branch Cedar Creek, E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City probably = Cedar Cr., near Wheelock, Robertson Co., (pers. com., Stenzel, 1958) MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R., Hickory; *Clarke Co.*, Wautubbee. LA.: *Ouachita Par.*, well at Monroe; *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg
Types.—Unfigured specimens, PRI

Newtoniella conica (Aldrich)
See *Cerithiella nassula* (Conrad)

Newtoniella constricta (H. C. Lea)
See *Seila constricta* (H. C. Lea)

Newtoniella jacksonensis (Meyer)
See *Cerithiella jacksonensis* (Meyer)

Newtoniella nassula (Conrad)
See *Cerithiella nassula* (Conrad)

Newtoniella quadristriaris (Meyer and Aldrich)
See "*Seila*" *quadristriaris* (Meyer and Aldrich)

Nipteraxis amoena (Conrad)
See *Architectonica (Nipteraxis) amoena* (Conrad)

Niso umbilicata (I. Lea) **Eulimidae**

Pasithea umbilicata I. Lea, 1833, p. 103, pl. 4, fig. 85; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 47
Pyramis terebellata Conrad, App. *in* Morton, 1834, p. 4 [changed from *Pyramidella* to *Pyramis* in footnote. Not *P. terebellata* (Lamarck), 1804b, p. 436 as *Auricula*]
Niso umbilicata (I. Lea), d'Orbigny, 1850, p. 343; Conrad, 1865a, p. 29; Conrad, 1866a, p. 14; Heilprin, 1879b, p. 224 not "*Niso*" *terebellatus* (Lamarck) [not *Niso* as in Heilprin], 1804, p. 436 as *Auricula;* de Gregorio, 1890, p. 162, pl. 16, figs. 7a, b, fig. 8 copy I. Lea; Dall, 1892, p. 247, Cossmann, 1893, p. 24; Harris, 1899a, p. 97 in part, not

pl. 12, fig. 13 = *Niso* sp.; Cossmann, 1921b, p. 206; Palmer, 1937, p. 66 in part, pl. 6, figs. 22-25; Harris and Palmer, 1947, p 225 in part, not pl. 26, fig. 17 = *Niso* sp.; Brann and Kent, 1960, p. 591 in part, Nos. 2697, 2698 only; Glibert, 1962b, p. 262

Not *Bonellia lineata* Conrad, 1865a, p. 29 (corrected on p. 191 of same publication

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5506 ANSP

Niso umbilicata (I. Lea), Clark and Martin, 1901. Not I. Lea, 1833
See *Niso* sp.

Niso umbilicata (I. Lea), Harris, 1899a; Harris and Palmer, 1947. Not I. Lea, 1833
See *Niso* spp.

Niso sp. **Eulimidae**

Niso umbilicata (I. Lea), Harris, 1899a, p. 97 in part, pl. 12, fig. 13; Palmer, 1937, p. 66 in part; Brann and Kent, 1960, p. 591 No. 1384 only

Because the Nisos of this group in the range from lower Eocene through upper are difficult to distinguish specifically, we have separated them from the Gosport sd. type until refined work can be done on the genus throughout the Eocene.

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *Wilcox Co.*, Yellow Bluff, Alabama R.
Type.—Figured specimen, No. 1384 PRI

Niso sp. **Eulimidae**

Niso umbilicata (I. Lea), Harris and Palmer, 1947, p. 225 in part, pl. 26, fig. 17; Brann and Kent, 1960, p. 591. Not I. Lea, 1833, p. 103

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Landing, Ouachita R.
Type.—Figured specimen, No. 4486 PRI

Niso sp. **Eulimidae**

Niso umbilicata (I. Lea), Clark and Martin, 1901, p. 156, pl. 29, fig. 4. Not I. Lea, 1833, p. 103

Range.—Paleocene. Aquia fm.
Locality.—VA.: *King George Co.*, Potomac Creek
Type.—Figured specimen, USNM

Niso sp. **Eulimidae**

Niso sp. Vaughan, 1896, p. 36, pl. 3, figs. 7, 7a
Niso sp. Palmer, 1937, p. 67

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Localities.—LA.: *Winn Par.*, St. Maurice. *Ouachita Par.*, cf. Lapiniere Ldg., E. bank Ouachita R. MISS.: *Newton Co.*, cf. Indian Mound, 3 mi. E. of Newton on A. & V. R.R.
Type.—Figured specimen, No. 147043 USNM

Norrisella micromphala (Cossmann)
See *Norrisia (Norrisella) micromphala* (Cossmann)

Norrisella nitens (I. Lea)
See *Norrisia (Norrisella) nitens* (I. Lea)

Norrisella parva (H. C. Lea)
See *Norrisia (Norrisella) parva* (H. C. Lea)

Norrisia (Norrisella) micromphala (Cossmann) **Trochidae**

Gibbula micromphalus Cossmann, 1893, p. 21, pl. 1, figs. 24, 25
Gibbula (Pseudodiloma) micromphala Cossmann, Cossmann, 1918b, p. 241
Norrisia (Norrisella) micromphala (Cossmann), Cossmann, 1918b, p. 247; Palmer, 1937, p. 43, pl. 5, figs. 35, 36

Range.—Middle Eocene. Gosport sd. type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes (2), No. 11659 Lab. Géol., Sorbonne, Paris

Norrisia nautiloides (Aldrich) **Trochidae**

Chlorostoma nautiloides Aldrich, 1911, p. 12, pl. 5, figs. 4-6
Norrisia nautiloides (Aldrich), Palmer, 1937, p. 41, pl. 5, figs. 11, 17, 24 copies Aldrich

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Aldrich, 1911, pl. 5, figs. 4-6 not in USNM. No. 639133 USNM (2 specimens from Johns Hopkins Univ. labeled "type")

Norrisia (Norrisella) nitens (I. Lea) **Trochidae**

Turbo nitens I. Lea, 1833, p. 125, pl. 4, fig. 115; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 30
Solariorbis nitens (I. Lea), Conrad, 1865a, p. 30; Conrad, 1866a, p. 14
Delphinula nitens (I. Lea), de Gregorio, 1890, p. 141, pl. 13, fig. 12 copy I. Lea
Calliostoma nitens (I. Lea), Dall, 1892, pp. 400, 412, pl. 22, fig. 30; Schuchert, *et al.*, 1905, p. 114
Tiburnus nitens (I. Lea), Cossmann, 1893, p. 21 in part; Cossmann, 1918b, p. 250 in part, not *Trochus planulatus* H. C. Lea
Norrisia (Norrisella) nitens (I. Lea), Palmer, 1937, p. 41, pl. 5, figs. 32, 33; Brann and Kent, 1960, p 601
Norrisella nitens (I. Lea), Glibert, 1962a, p. 49

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5648 ANSP

Cf. **Norrisia (Norrisella) parva** (H. C. Lea) **Trochidae**

Turbo parvus H. C. Lea, 1841, p. 95, pl. 1, fig. 8; H. C. Lea, 1849, p. 106; de Gregorio, 1890, p. 143, pl. 13, figs. 32, 33 copies I. Lea; Harris, 1895b, p. 33
Cf. *Norrisia (Norrisella) parva* (H. C. Lea), Palmer, 1937, p. 43, pl. 78, fig. 3 [not fig. 2] type H. C. Lea

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 13170 ANSP

Nucleopsis costellata (Conrad)
See *Acteon costellatus* Conrad

Nucleopsis lata Conrad
See *Tornatellaea lata* (Conrad)

Nucleopsis subvaricata (Conrad) **Acteonidae**

Acteonina subvaricata Conrad, 1860, p. 294, pl. 47, fig. 22
Actaeon (Nucleopsis) subvaricatus (Conrad), Conrad, 1865a, p. 34
Actaeon subvaricatus (Conrad), Conrad, 1866a, p. 9
Tornatella (Nucleopsis) subdivaricata [*sic*] (Conrad), Tryon, 1883b, p. 356, pl. 88, fig. 49
Acteon (Nucleopsis) subvaricatus (Conrad), de Gregorio, 1890, p. 166, pl. 16, fig. 37 copy Conrad
Actaeon annectens Meyer, Cossmann, 1893, p. 48 in part, not pl. 1, fig. 37 = *A. pomilius*. Not *A. annectens* Meyer, 1885. See Palmer, 1937, p. 498; Harris and Palmer, 1947, p. 454
Nucleopsis subvaricatus (Conrad), Cossmann, 1893, p. 48, pl. 1, fig. 36 not fig. 37 as in Palmer, 1937; Palmer, 1937, p. 502, pl. 74, figs. 23, 24, 26; pl. 90, fig. 18 type; Zilch, 1959, p. 11, fig. 27 Cossmann; Brann and Kent, 1960, p. 602
Liocarenus (Nucleopsis) subvaricatus (Conrad), Cossmann, 1895b, p. 56, pl. 1, figs. 18, 19

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA. "Alabama, Dr. Showalter." *Monroe Co.*, Claiborne Bluff, Alabama R. (type) by designation from known occurrence. Cf. MISS.: *Clarke Co.*, Wautubbee
Types.—Lectotype, No. 30692 ANSP; 2 remaining specimens, No. 30693 ANSP Moore, 1962, p. 100

Obeliscus larvatus (Conrad)
See *Pyramidella (Longchaeus) larvata* Conrad

Obeliscus melanellus (I. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Obeliscus perexilis Conrad
See *Pyramidella perexilis* (Conrad)

Obeliscus pygmaeus (I. Lea)
See *Pyramidella (Longchaeus) larvata* Conrad

Obeliscus ? striatus (I. Lea)
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Ochetoclava ocalana (Dall)
See *Rhinoclavis (Ochetoclava) ocalana* (Dall)

"Ochetoclava" vincta Whitfield, Palmer, 1937
See *Dirocerithium vinctum* (Whitfield)
See also *Dirocerithium wechesense* (Whitfield)

Odontopolys compsorhytis Gabb **Muricidae**

Murex (Odontopolys) compsorhytis Gabb, 1860d, p. 377, pl. 67, fig. 16; Harris, 1895a, p. 75, pl. 8, fig. 6

Odontopolys compsorhytis Gabb, Conrad, 1865a, p. 16; Conrad, 1866a, p. 19; Tryon, 1883b, p. 105, pl. 43, fig. 4 copy Gabb; Aldrich, 1886, p. 46; de Gregorio, 1890, p. 96, pl. 6, fig. 47 copy Tryon, 1883b; Cossmann, 1893, p. 32; Palmer, 1937, p. 272, pl. 34, figs. 7-9; Brann and Kent, 1960, p. 612

Murex (Odontopolys) compsorhytis Gabb ?, Heilprin, 1891a, p. 395

Muricopsis (Odontopolys) compsorhytis Gabb, Cossmann, 1903b, p. 35 text fig. 1

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Robertson Co.*, Town Branch of Cedar Creek, near Wheelock (type). ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R.; Lisbon Bluff, Alabama R. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon

Type.—Lost

Odontopolys sublevis (Harris) **Muricidae**

Trophon sublevis Harris, 1899a, p. 61, pl. 8, figs. 1, ? 19 var. (listed fig. 19 as *Triton* in error); Brann and Kent, 1960, p. 884

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.

Type.—Holotype, No. 276 PRI

Odontopolys texana Aldrich
See *Ficopsis texana* (Harris)

Odontopolys triplicata Meyer
See cf. *Athleta triplicatus* (Meyer)

Odontopolys sp. **Muricidae**

Trophon sublevis Harris, Clark and Martin, 1901, p. 135 in part, pl. 22, fig. 3. Not Harris, 1899a, p. 61, pl. 8, figs. 1, ? 19. This species is more like pl. 61, fig. 19 than to the typical shell.

Range.—Paleocene. Aquia fm.

Locality.—MD.: *Prince Georges Co.*, 1 mi. NE of Piscataway

Type.—Figured specimen, USNM

Odontostomia Boettgeri (Meyer), Cossmann, 1893. Not *O. Boettgeri* Meyer, 1887b
See *Odostomia* sp.

Odontostomia insignifica Aldrich
See *Odostomia insignifica* (Aldrich)

Odontostomia laevis (H. C. Lea)
See *Odostomia laevis* (H. C. Lea)

Odontostomia magnoplicata (H. C. Lea)
See *Odostomia melanella* (I. Lea)

Odontostomia matthewsensis (Aldrich)
See *Odostomia matthewsensis* (Aldrich)

Odontostomia melanella (I. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Odontostomia pygmaea (I. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Odontostomia striata (I. Lea)
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Odostomia (Evalea) bartschi Aldrich **Pyramidellidae**
Odostomia (Evalea) Bartschi Aldrich, 1921, p. 8, pl. 1, fig. 9

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm. middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R.
Type.—Holotype, No. 24 GSATC

Odostomia bidentata Meyer
See *Turbonilla bidentata* (Meyer)

Odostomia carolina Palmer **Pyramidellidae**
Odostomia carolina Palmer, 1937, p. 82, pl. 7, fig. 16; Brann and Kent, 1960, p. 612

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg District (type)
Type.—Holotype, No. 2710 PRI

Odostomia (Pyrgulina) claibornensis Aldrich **Pyramidellidae**
Odostomia (Pyrgulina) claibornensis Aldrich, 1911, p. 9, pl. 4, fig. 1; Palmer, 1937, p. 86, pl. 6, fig. 7

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 639128 USNM

Odostomia crassispirata Meyer
See *Pyramidella crassispirata* (Meyer)

Odostomia elevata (I. Lea)
See *Pyramidella (Longchaeus) larvata* Conrad

Odostomia insignifica (Aldrich) **Pyramidellidae**
Odontostomia insignifica Aldrich, 1897a, p. 13, pl. 1, fig. 8
Syrnola trapaquara Harris, 1899a, p. 99 in part, pl. 12, fig. 15 copy Aldrich *O. insignifica*
Not *Odostomia* ? *insignifica* (Aldrich), Gardner, 1935, p. 307 = *Odostomia* sp.

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 638988 USNM

Odostomia insignifica (Aldrich), Gardner, 1935. Not Aldrich, 1897a
See *Odostomia* sp.

Odostomia laevigata Heilprin
See *Odostomia (Evalea) melanella* (I. Lea)

Odostomia laevis (H. C. Lea) **Pyramidellidae**

Acteon laevis H. C. Lea, 1841, p. 94, pl. 1, fig. 4; H. C. Lea, 1849, p. 95
Odostomia laevis (H. C. Lea), de Gregorio, 1890, p. 157, pl. 15 in part, fig. 24 copy H. C. Lea; fig. 25 Oligocene; Palmer, 1937, p. 83, pl. 7, fig. 9 type
Odontostomia laevis (H. C. Lea), Cossmann, 1893, p. 24

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, probably lost (*fide* Palmer, 1937, p. 83)

Odostomia magnoplicatus (H. C. Lea)
See *Odostomia (Evalea) melanella* (I. Lea)

Odostomia matthewsensis (Aldrich) Pl. 5, fig. 3 **Pyramidellidae**

Odontostomia matthewsensis Aldrich, 1898, p. 97

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type)
Type—Holotype, No. 639006 USNM

Odostomia (Evalea) melanella (I. Lea) **Pyramidellidae**

Acteon melanellus I. Lea, 1833, p. 113, pl. 4, fig. 99; H. C. Lea, 1849, p. 95; Harris, 1895b, p. 27
Actaeon melanellus (I. Lea), Conrad, App. *in* Morton, 1834, p. 4 in part; Dall, 1892, p. 247
Actaeon magnoplicatus H. C. Lea, 1841, p. 94, pl. 1, fig. 5; H. C. Lea, 1849, p. 95 as *Acteon;* Harris, 1895b, p. 27 = *A. melanellus* I. Lea
Obeliscus melanellus (I. Lea), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14
Odostomia laevigata Heilprin, 1879a, p. 212, pl. 13, fig. 5; Meyer, 1887a, p. 18
Odostomia melanellus (I. Lea), de Gregorio, 1890, p. 157, pl. 15, fig. 22, fig. 23 copy I. Lea
Odostomia magnoplicatus (H. C. Lea), de Gregorio, 1890, p. 157, pl. 15, fig. 26 copy H. C. Lea
Odontostomia melanella (I. Lea), Cossmann, 1893, p. 23, pl. 2, fig. 4
Cf. *Odontostomia pygmaea* (I. Lea), Cossmann, 1893, p. 23, pl. 2, fig. 5
Odontostomia magnoplicata (H. C. Lea), Dall, 1892, p. 247
Odostomia (Evalea) melanella (I. Lea), Palmer, 1937, p. 83, pl. 7, figs. 13, 15, 17, 22, 23; pl. 79, fig. 6 type, fig. 7 type *Acteon magnoplicatus* H. C. Lea, fig. 9 type *Odostomia laevigata* Heilprin; Brann and Kent, 1960, p. 613
Menestho (Evalea) melanella (I. Lea), Glibert, 1962c, p. 6

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg

Types.—Holotype ?, No. 5550 ANSP not size as stated by Lea. Holotype *A. magnoplicatus* H. C. Lea, No. 13158 ANSP. Holotype *O. laevigata* Heilprin No. 10076/1, No. 5557/1 AMNH

Odostomia (Evalea) melanella alveata (H. C. Lea) **Pyramidellidae**

Acteon striatus I. Lea, 1833, p. 114, pl. 4, fig. 100; H. C. Lea, 1849, p. 45; Harris, 1895b, p. 43 in part. Not *Acteon striatus* James de C. Sowerby, 1824, p. 87, pl. 460, fig. 2

Acteon alveatus H. C. Lea, 1841, p. 94 new name

Obeliscus ? striatus (I. Lea), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14

Odostomia striata (I. Lea), de Gregorio, 1890, p. 158, pl. 15, fig. 29 copy I. Lea

Odontostomia striata (I. Lea), Dall, 1892, p. 247. Not *Syrnola (Orina) striata* (I. Lea), Cossmann, 1893, p. 23, pl. 1, figs. 30-32 = *Pyramidella (Ulfa) cossmanni* Dall and Bartsch, 1904

Odostomia (Evalea) melanella alveata (H. C. Lea), Palmer, 1937, p. 85, pl. 7, figs. 6-8; pl. 79, figs. 18 type; Brann and Kent, 1960, p. 613

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5558 ANSP

Odostomia perexilis (Conrad)
See *Pyramidella perexilis* (Conrad)

Odostomia pygmea (I. Lea)
See *Pyramidella (Longchaeus) larvata* Conrad

Odostomia striata (I. Lea)
See *Odostomia (Evalea) melanella alveata* (H. C. Lea)

Odostomia trapaquara (Harris) **Pyramidellidae**

Syrnola trapaquara Harris, 1895a, p. 77, pl. 8, fig. 10

Not *Odostomia trapaquara* (Harris), Clark and Martin, 1901, p. 156, pl. 29, fig. 3 = *Odostomia* sp.

Odostomia trapaquara (Harris), Palmer, 1937, p. 82, pl. 7, figs. 26, 27; Brann and Kent, 1960, p. 613

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Stone City beds, middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type) *fide* Harris, 1893 ms.; *Houston Co.*, Hurricane Bayou; *Burleson Co.* Moseley's Ferry [Stone City Bluff], Brazos R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; *Sabine Par.*, Columbus, Sabine R.

Type.—Holotype, No. 35775 BEG

Odostomia sp. **Pyramidellidae**

Odontostomia Boettgeri (Meyer), Cossmann, 1893, p. 24. Not *O. Boettgeri* (Meyer), 1887b, p. 51 Oligocene

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Unfigured specimen, No. 11663 Lab. Géol., Sorbonne, Paris

Odostomia sp. **Pyramidellidae**

Odostomia ? *insignifica* (Aldrich), Gardner, 1935, p. 309. Not *O. insignifica* Aldrich, 1897a, p. 13

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Bastrop Co.*, ½-¾ mi. above mouth of Dry Creek, below *Venericardia bulla* zone, Colorado R.

Type.—Specimen, presumably USNM

Odostomia sp. **Pyramidellidae**

Odostomia trapaquara (Harris), Clark and Martin, 1901, p. 156, pl. 29, fig. 3. Not Harris, 1895a, p. 77

Range.—Paleocene. Aquia fm.

Localities.—VA.: *King George Co.*, Potomac Creek; 2 mi. below Potomac Creek. MD.: *Prince Georges Co.*, Upper Marlboro

Type.—Figured specimen, USNM

Odostomia sp. **Pyramidellidae**

Odostomia sp. Gardner, 1935, p. 310

Range.—Paleocene. Wills Point fm., upper Midway gr.

Locality.—TEXAS: *Bastrop Co.*, ¼ mi. above mouth of Dry Creek, 4½-4¾ mi. downstream from Webberville, above *Venericardia bulla* zone, Colorado R.

Type.—Specimen, presumably USNM

Oligotoma meyeri Cossmann
See *Microdrillia cossmanni* (Meyer)

Oliva alabamensis Conrad
See *Agaronia alabamensis* (Conrad)

Oliva alabamiensis [*sic*] Conrad, Duclos, 1835
See *Agaronia alabamensis* (Conrad)

Oliva antelucana de Gregorio
See *Agaronia alabamensis* (Conrad)

Oliva bombylis Conrad
See *Agaronia bombylis* (Conrad)

Oliva bombylis Conrad, Aldrich, 1886. Not *O. bombylis* Conrad, 1833b
See *Agaronia* sp.

Oliva carolinensis Conrad, 1842a, p. 174 footnote from Eocene of S.C. *nomen nudum*. Not *Dactylus carolinensis* Conrad, 1862, p. 584 = *Oliva* sp. from Miocene

Oliva constricta I. Lea
See *Agaronia bombylis* (Conrad)

Oliva dubia I. Lea
See *Agaronia alabamensis* (Conrad)

Oliva gracilis I. Lea
See *Agaronia alabamensis* (Conrad)
See also *Agaronia bombylis* (Conrad)

Oliva gracilis I. Lea, Aldrich, 1886. Not *O. gracilis* I. Lea, 1833
See *Agaronia* sp.

Oliva Greenoughi I. Lea
See *Agaronia alabamensis* (Conrad)

Oliva media Meyer
See *Agaronia media* (Meyer)

Oliva minima I. Lea
See *Bullata semen minima* (I. Lea)

Oliva mississippiensis Conrad
See *Agaronia mississippiensis* (Conrad)

Oliva mitreola Lamarck, de Gregorio, 1890. Not Lamarck, 1802, p. 391
See *Agaronia alabamensis* (Conrad)

Oliva nitidula Deshayes, de Gregorio, 1890. Not Deshayes, 1835a
See *Agaronia alabamensis* (Conrad)

Oliva Phillipsii I. Lea
See *Agaronia alabamensis* (Conrad)

"Oliva" platonica de Gregorio **Olividae**

Oliva platonica de Gregorio, 1890, p. 53, pl. 3, figs. 53-56; Cossmann, 1893, p. 40; Palmer, 1937, p. 436, pl. 68, figs. 1, 4-6 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Oliva staminea (Conrad)
See *Ancilla staminea* (Conrad)

Oliva sp.
See *Olivella* sp.

Olivancillaria (Agaronia) alabamiensis [*sic*] (Conrad)
See *Agaronia alabamensis* (Conrad)

Olivancillaria (Agaronia) bombylis (Conrad)
See *Agaronia bombylis* (Conrad)

Olivella alabamiensis [*sic*] (Conrad)
See *Agaronia alabamensis* (Conrad)

Olivella bombylis (Conrad)
See *Agaronia bombylis* (Conrad)

Olivella bombylis burlesonia Kennedy, 1895, p. 116 *nomen nudum*. A ms. name of Harris, 1893 ms.

Olivella ? jacksonensis Cooke
See *Agaronia media* (Meyer)

Olivella mediavia Harris, 1896
See *Agaronia mediavia* (Harris)

Olivella mediavia Harris, Harris, 1899a, Not Harris, 1896
See *Agaronia* sp.

Olivella Phillipsi (I. Lea)
See *Agaronia alabamensis* (Conrad)

Olivella (Callianax) poinciana Palmer **Olividae**

Olivella (Callianax) poinciana Palmer *in* Richards and Palmer, 1953, p. 31, pl. 6, figs. 7, 10 holotype, not No. I-7609 as on expl. of pl. read No. I-7607

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, a road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7607; paratype, No. I-7608 Fla. Geol. Sur.

Olivella semilignitica Aldrich **Olividae**

Olivella semilignitica Aldrich, 1921, p. 13, pl. 1, figs. 27, 28

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, "Woods Bluff beds"
Type.—Holotype, No. 33 GSATC

Olivella sp. **Olividae**

Oliva, allied to *O. Laumontiana* Lam., Lyell, 1845, pp. 431, 432, fig. a

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. LT. 14. OUM

Olivula ? plicata (I. Lea)
See *Bullia scamba* (Conrad)

Olivula punctulifera (Gabb)
See *Ancilla staminea punctulifera* (Gabb)

Olivula staminea (Conrad)
See *Ancilla staminea* (Conrad)
See also *Ancilla staminea maternae* Palmer

Olivula staminea maternae Palmer
See *Ancilla staminea maternae* Palmer

Olivula ? texana (Conrad)
See "*Tortoliva*" *texana* Conrad

"Olivula sp." **Olividae**

Olivula sp. Clark and Martin, 1901, p. 130

Range.—Lower Eocene. Nanjemoy fm.
Locality.—MD.: *Charles Co.*, Popes Cr.
Type.—Unfigured specimen, USNM

Omalaxis singleyi Aldrich **Architectonicidae**

Omalaxis Singleyi Aldrich, 1890, p. 25, 2 text figs; Palmer, 1937, p. 175, pl. 21, figs. 3, 7 holotype

Range.—Eocene.
Locality.—TEXAS: *Lee Co.*
Type.—Holotype, No. 638912 USNM

Onustus annosus Conrad
See *Architectonica annosa* (Conrad)

Onustus extensus (Sowerby), Conrad, 1866a. Not *Trochus extensus* James Sowerby, 1821
See *Xenophora lapiferens* Whitfield, 1892, p. 227

Onustus humilis (Conrad)
See *Xenophora humilis* (Conrad)

Onustus reclusus (Conrad)
See *Xenophora reclusa* (Conrad)

Opalia albitesta Meyer and Aldrich
See *Pliciscala (Cylindriscala) albitesta* (Meyer and Aldrich)

Opalia carinata (I. Lea)
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Operculatum planutatum [*sic*] (Conrad)
See *Umbraculum planulatum* (Conrad)

Orbis rotella I. Lea
See *Pseudomalaxis rotella* (I. Lea)

Orbis rotella I. Lea, Aldrich, 1886, p. 53. Not I. Lea, 1833, p. 123
See *Pseudomalaxis verrilli* (Aldrich) *in* Harris, 1899a, p. 82

Orina striata (I. Lea)
See *Pyramidella (Ulfa) cossmanni* Dall and Bartsch

Orthosurcula adeona (Whitfield) **Turridae**

Pleurotoma adeona Whitfield, 1865, p. 262; Whitfield, 1899, p. 173

Pleurotoma (Surcula) adeona Whitfield, Harris, 1896, p. 76, pl. 7, figs. 9, 10; Brann and Kent, 1960, p. 715

Pleurotoma (Strombina) adeona Whitfield, de Gregorio, 1890, p. 27

Orthosurcula adeona (Whitfield), Gardner, 1935, p. 216, pl. 20, fig. 20; Le Blanc, 1942$^+$, p. 149, pl. 19, figs. 1, 2; Gardner, 1945, pp. 233, 234, pl. 25, fig. 8 holotype

Range.—Paleocene. Kincaid fm., lower Midway gr. (Gardner); "Logansport fm." preoccupied middle Midway gr. (Le Blanc); Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; Wills Point fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, "9 mi. below Prairie Bluff" (type) [= Matthews Ldg. *fide* Le Blanc, 1942⁺, p. 150]; Dales Branch, near Oak Hill; 1 mi. W. of Oak Hill; ½ mi. W. of Graveyard Hill; 1 mi. N. of Allentown. For TEXAS localitites see Gardner, 1935, p. 216. For LA. localities see Le Blanc, 1942⁺, p. 149
Type.—Holotype, No. UC 24523 CNHM

Orthosurcula francescae Gardner **Turridae**

Orthosurcula francescae Gardner, 1935, p. 218, pl. 20, fig. 21; Shimer and Shrock, 1944, p. 514, pl. 211, fig. 9 copy Gardner

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Localities.—TEXAS: *Bastrop Co.*, Colorado R., ½-¾ mi. above mouth of Dry Creek (type); *Caldwell Co.*, Mercer well, 2 mi. SW. of Joliet
Type.—Holotype, No. 373057 USNM

Orthosurcula indenta (Harris) **Turridae**

Levifusus indentus Harris, 1899a, p. 52, pl. 7, fig. 1; Harris, 1899b, p. 306, pl. 54, fig. 8 copy type; Aldrich, 1911, p. 11, pl. 4, fig. 7; Aldrich, 1931, p. 6, pl. 5, fig. 5; Le Blanc, 1942⁺, p. 128, pl. 16, figs. 1, 2; Brann and Kent, 1960, p. 492
Fusus (Levifusus) indentus Harris, Cossmann, 1901b, p. 15
[*Fusus*] *indentus* Harris, Wrigley, 1927, p. 249

Range.—Lower Eocene. Nanafalia fm. (type), lower Wilcox [Sabine] gr.; cf. Pendleton Ferry fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Marengo Co.*, Nanafalia Ldg., Tombigbee R. (type). GA.: *Clay Co.*, bluff at Fort Gaines. LA.: *Natchitoches Par.*, R.R. cut about 75 yds. E. of depot at Marthaville; cf. *Sabine Par.*, S. bank LaNana Bayou about 100 yds. upstream from bridge, center sec. 12, T. 6 N., R. 13 W. TEXAS: *Sabine Co.*, ⅜ mi. above Moran's Ldg., W. bank Sabine R.; cf. ¼ mi. upstream from bridge over Sabine R. on La. Highway 6
Type.—Holotype, No. 283 PRI

Orthosurcula ? langdoni (Aldrich) **Turridae**

Pleurotoma acuminata ? Sowerby, Heilprin, 1881, p. 374, pl. 20, fig. 10; Heilprin, 1884b, p. 94. Not James Sowerby, 1816, p. 105, pl. 146, fig. 4
Pleurotoma langdoni Aldrich, 1895b, p. 8, pl. 3, fig. 5; Harris, 1899a, p. 17, pl. 2, fig. 6; Brann and Kent, 1960, p. 716
Not *Pleurotoma* sp. Harris, 1896, p. 78, pl. 7, fig. 14 as in Harris, 1899a, p. 17
Turricula langdoni (Aldrich), Davies, 1935, p. 312
? *Orthosurcula langdoni* (Aldrich), Gardner, 1945, p. 233, pl. 25, figs. 17, 22 holotype

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr.; NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 644629 USNM

Orthosurcula longipersa (Harris) **Turridae**

Pleurotoma longipersa Harris, 1896, p. 78, pl. 7, fig. 15; Brann and Kent, 1960, p. 716

Orthosurcula longipersa (Harris), Gardner, 1935, p. 216; Harris, 1937, p. 48, pl. 9, fig. 24; Le Blanc, 1942⁺, p. 148, pl. 18, figs. 19-22; Gardner, 1945, p. 233; Brann and Kent, 1960, p. 629 [read holotype for hypotype; read *Pleurotoma* for *Surcula*]

Range.—Paleocene. "Logansport fm." name preoccupied, middle Midway gr. (Le Blanc); Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; Wills Point fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E. (type). LA.: *Natchioches Par.*, road cut in NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W. MEXICO: *Nuevo Leon* (Gardner)

Type.—Holotype, No. 92 (2517) PRI

Orthosurcula longipersa tobar Gardner **Turridae**

Orthosurcula longipersa tobar Gardner, 1935, p. 217, pl. 20, fig. 15; Gardner, 1945, p. 233

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.

Locality.—TEXAS: *Maverick Co.*, 27 mi. SE. of Eagle Pass on the Windmill (Jacal) ranch road (type)

Type.—Holotype, No. 370929 USNM

Orthosurcula pagodiformis (Heilprin)
See *Levifusus ? pagodiformis* (Heilprin)

Orthosurcula persa (Whitfield) **Turridae**

Pleurotoma persa Whitfield, 1865, p. 262, pl. 27, fig. 4; Aldrich, 1886, p. 59; Whitfield, 1899, p. 173

Pleurotoma (Surcula) persa Whitfield; de Gregorio, 1890, p. 31, pl. 2, fig. 20 copy Whitfield; Harris, 1896, p. 77, pl. 7, fig. 11; Brann and Kent, 1960, p. 717

Surcula persa (Whitfield), Cossmann, 1893, p. 43

Orthosurcula persa (Whitfield), Le Blanc, 1942⁺, p. 147, pl. 18, fig. 17; Shimer and Shrock, 1944, p. 514, pl. 211, fig. 28 copy Harris, 1896

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, "9 mi. below Prairie Bluff, Alabama R." (type) [= Matthews Ldg., Alabama R. *fide* Harris, 1896, p. 29]

Types.—Syntypes (3), No. UC 24524 CNHM

Orthosurcula persa pleasanthillensis Le Blanc **Turridae**

Orthosurcula persa pleasanthillensis Le Blanc, 1942⁺, p. 146, pl. 18, figs. 13-15, 18

Range.—Paleocene. "Logansport fm." (name preoccupied) (type), middle Midway gr.; Kerens mem., Wills Point fm., upper Wilcox [Sabine] gr.

Localities.—LA.: *Natchitoches Par.*, road cut in NE. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W. along dirt road leading W. from La. Highway 404, just E. of bridge over Rocks Creek (type). TEXAS: *Navarro Co.*, Trinity R., 5.5 mi. NE. of Kerens (figured specimen)
Types.—Holotype, No. 3142; paratypes, Nos. 3149, 3150 LSU Pal. Mus.

Orthosurcula phoenicea Gardner **Turridae**
Orthosurcula phoenicea Gardner, 1935, p. 219, pl. 20, figs. 11, 12

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R., 1½ mi. below Bastrop-Travis Co. line (type)
Type.—Holotype, No. 373058 USNM

Otina expansa Whitfield
See *Capulus expansus* (Whitfield)

Otocheilus nereidis (Conrad)
See *Cythara nereidis* Conrad

Ottoina kinkelini (Meyer) **Rissoidae**
Scalaria Kinkelini Meyer, 1887a, p. 5, pl. 1, fig. 14
Ottoina kinkelini (Meyer), Harris and Palmer, 1947, p. 267, pl. 30, fig. 9 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638868 USNM

Ovula regularoidea Aldrich
See *Neosimnia regularoidea* (Aldrich)

Ovula (Simnia) subtruncata Johnson
See *Neosimnia subtruncata* (Johnson)

Ovula symmetrica Aldrich
See *Transovula (Oxycypraea) symmetrica* (Aldrich)

Ovula (Simnia) texana Johnson
See *Neosimnia texana* (Johnson)

Ovulactaeon aldrichi Wheeler **Acteonidae**
Ovulactaeon aldrichi Wheeler, 1910, p. 13, pl. 4, fig. 6; Palmer, 1937, p. 503, pl. 74, figs. 1, 2 (2 views "holotype")

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntype, No. 639103 USNM (Wheeler, pl. 4, fig. 6); syntype, No. Cl. 243, 6245 Beal-Maltbie Shell Mus., Rollins College, Winter Park, Fla.

Oxycypraea naviculae Palmer
See *Transovula (Oxycypraea) naviculae* Palmer

Oxycypraea symmetrica (Aldrich)
See *Transovula (Oxycypraea) symmetrica* (Aldrich)

Oxycypraea transovuloides (Schilder)
See *Transovula (Oxycypraea) transovuloides* (Schilder)

Oxystele gumus de Gregorio
See *"Trochus" gumus* de Gregorio

Pachycrommium perovatum (Conrad)
See *Crommium perovatum* (Conrad)

Pagodula morula (Conrad)
See *Eupleura morula* (Conrad)

Palaeorhaphis pergracilis (Aldrich) Cf. **Mitridae**

Fasciolaria pergracilis Aldrich, 1886, p. 22, pl. 5, fig. 18

Fasciolaria ? pergracilis Aldrich, de Gregorio, 1890, p. 79, pl. 6, figs. 3a, 3b, copies Aldrich

Not *Exilia pergracilis* Conrad, Cossmann, 1893, p. 37; Cossmann, 1901b, p. 26, pl. 7, figs. 3, 4. See *Exilia pergracilis* Conrad

Mitra pergracilis (Aldrich), Harris, 1899a, p. 39, pl. 4, fig. 10 not *perexilis* as in explanation; Brann and Kent, 1960, p. 560

Palaeorhaphis pergracilis (Aldrich), Stewart, 1927, p. 419 type species

? *Palaeorhaphis pergracilis* (Aldrich), Wenz, 1943, p. 1417, fig. 4004 copy Harris, 1899a

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); Bells Ldg., Alabama R.; Lower Peachtree Ldg., Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R.

Type.—Holotype, No. 638759 USNM

Paludina allied to *P. Desnoyerii* Lyell
See *Amauropsis* sp.

Paludina sp. Sowerby *in* Lyell
See *Viviparus lyelli* (Conrad)

Papillina altilis (Conrad) **Fasciolariidae**

Fusus altilis Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69, pl. 18, fig. 16); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, pl. 18, fig. 16; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363 as *Altilis;* Harris, 1895b, p. 4

Papillina altilis (Conrad), Conrad, 1865a, p. 17; Dall, 1890, p. 126; Palmer, 1937, p. 363, pl. 51, fig. 10 copy Conrad, 1833c

Clavifusus altile (Conrad), Conrad, 1866a, p. 19; Wrigley, 1927, p. 249 mature *Papillina papillata*

Fusus (Clavifusus) altilis Conrad, de Gregorio, 1890, p. 84 in part, pl. 6, fig. 21, fig. 24 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, ANSP Palmer, 1937; missing *fide* Moore, 1962, p. 37

Papillina conradi (Whitfield) **Fasciolariidae**

Priscoficus Smithii (James de C. Sowerby), Conrad, 1866a, p. 16; Conrad, 1868, p. 732. Not *Murex Smithii* James de C. Sowerby, 1827, p. 151, pl. 578, figs. 1-3

Rhinocantha (?) *Conradi* Whitfield, 1892, p. 191, pl. 24, figs. 8-11; Whitfield, 1899, p. 175 as *Rhynocanthus*

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes (pl. 24, fig. 8), No. 9760/1 AMNH; syntype (pl. 24, figs. 9-11) not found Rutgers, 1965

"Papillina" cooperi (Conrad) **Fasciolariidae**

Fusus Cooperi Conrad, 1834, p. 148; Conrad, 1835a, pl. 18, fig. 15 (Harris reprint, 1893, pl. 18, fig. 15); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363, not p. 12 as in Palmer. Not *Fusus cooperi* Gabb, 1864, p. 86=*Ficopsis cooperiana* Stewart, 1927, p. 378

Clavifusus Cooperi (Conrad), Conrad, 1866a, p. 19; Tryon, 1883b, p. 142, pl. 51, fig. 62

Fusus (Clavifusus) Cooperi Conrad, de Gregorio, 1890, p. 84, pl. 6, fig. 20

Melongena Cooperi (Conrad), Cossmann, 1893, p. 35

"Papillina" Cooperi (Conrad), Palmer, 1937, p. 365, pl. 47, fig. 3 copy Conrad, 1835a; pl. 88, figs. 3, 9 type

"Fusus" cooperi Conrad, Harris and Palmer, 1947, p. 366

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Probable holotype, No. 14339 ANSP Moore, 1962, p. 50

Papillina dumosa (Conrad) **Fasciolariidae**

Strepsidura dumosa Conrad *in* Wailes, 1854, p. 289, pl. 17 [16], figs. 10a, 10b (reprint, 1939, p. 19, pl. 4, figs. 10a, 10b)

Papillina Mississippiensis Conrad, 1856a, p. 262 (reprint 1939, p. 8); Conrad, 1865a, p. 17

Clavifusus dumosus (Conrad), Conrad, 1866a, p. 26

Fusus (Papillina) dumosus (Conrad), Dall, 1890, p. 125 in part, not pl. 10, fig. 6a = *Latirus* sp.

Fusus Jacksonensis de Gregorio, 1890, p. 80

Tudicula [*sic*] *dumosa* (Conrad), Cossmann, 1901b, p. 70, pl. 3, fig. 8

Papillina dumosa (Conrad), Palmer, 1937, p. 365, pl. 52, figs. 1, 4, 12; Wenz, 1943, [with ?] p. 1255, fig. 3574 copy Palmer; Harris and Palmer, 1947, p. 389, pl. 52, figs. 12-15; Brann and Kent, 1960, p. 649

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., lower layer, Red R.; *Caldwell Par.*, 1 mi. above Gibson Ldg., Ouachita R.; Grandview Bluff, Ouachita R.; Bunker Hill Ldg., Ouachita R. ARK.: *Cleveland Co.*, Vince Ferry, Saline R.
Type.—Probable holotype, No. 13203 ANSP, Moore, 1962, p. 56

Papillina dumosa Conrad, Dall, 1890. Not Conrad *in* Wailes, 1854
See *Latirus* sp.

Papillina dumosa trapaquara Harris **Fasciolariidae**

Fusus (Papillina) dumosus Harris *in* Lerch, 1892, p. 29
Clavilithes (Papillina) dumosus trapaquarus Harris, 1895a, p. 74, pl. 8, fig. 1
Papillina dumosus trapaquara Harris, Vaughan, 1896, p. 41
Papillina dumosa trapaquara Harris, Palmer, 1937, p. 365, pl. 52, figs. 2, 10, fig. 7 holotype; Wenz, 1943, p. 1255, fig. 3575 copy Palmer; Brann and Kent, 1960, p. 649

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: Brazos R., 1 mi. below Milam-Burleson Co. line; *Cherokee Co.*, near McBee School house; *Houston Co.*, Alum Bluff, Trinity R.; 5 mi. W. of Crockett; N. of College, Crockett; Hurricane Bayou, Marsters Survey, near Crockett; *Brazos Co.*, Dr. Collard's farm, Sparks Headright; *Bastrop Co.*, Smithville, S. bank Colorado R. about 200 yds. W. of bridge; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par. La., Outcrop 21 (Veatch, 1902, p. 129); *Burleson Co.*, Collier's Ferry, Brazos R. (type). MISS.: *Newton Co.*, Hickory, 2 mi. NE. of Newton on route 15. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon
Type.—Holotype, No. 35676 BEG

Papillina eocenica (Whitfield) **Fasciolariidae**

Fusus (Neptunea ?) Eocenicus Whitfield, 1892, p. 198, pl. 25, figs. 10-13; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, not found Rutgers, 1965

Papillina gunteri Palmer **Fasciolariidae**

Papillina gunteri Palmer *in* Richards and Palmer, 1953, p. 30, pl. 8, figs. 1-4

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7645; paratypes, Nos. I-7646-49, Fla. Geol. Sur.

Cf. **Papillina mohri** (Aldrich) **Fasciolariidae**

Fusus ? mohri Aldrich, 1895b, p. 12, pl. 3, fig. 6
Fusus mohri Aldrich, Harris, 1896, p. 89, pl. 8, fig. 15; Brann and Kent, 1960, p. 399
Not *Fusus bellanus* Harris, Aldrich, 1931, p. 8 as stated by Aldrich

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA..: *Wilcox Co.*, Matthews Ldg., Alabama R. (type); 1 mi. W. of Oak Hill; Dale's Branch; *Choctaw Co.*, Naheola, Tombigbee R.
Type.—Holotype, No. 638943 USNM

Papillina papillata (Conrad) **Fasciolariidae**

Fusus papillatus Conrad, 1833b, p. 29 [not illustrated] (Harris reprint, 1893, p. 51); Conrad, App. *in* Morton 1834, p. 6; Conrad, 1835a, p. 53, pl. 18, fig. 3 (Harris reprint, 1893, p. 109, pl. 18, fig. 3); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Tuomey, 1858, p. 265; Harris, 1895b, p. 32

Papillina papillatus (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19; de Gregorio, 1890, p. 90, pl. 6, fig. 25 copy Conrad under *Fusus;* Harris, 1897a, p. 475, pl. 20, fig. 5 *papillata;* Palmer, 1937, p. 364, pl. 52, figs. 3, 5, 6, 8, 9, 11 *papillata;* Brann and Kent, 1960, pp. 649, 650 *papillata*

Tudicla (Papillina) papillatus (Conrad), Tryon, 1883b, p. 140, pl. 51, fig. 58

Tudicla papillata (Conrad), Cossmann, 1893, p. 35

Tudicula [*sic*] *papillata* (Conrad), Cossmann, 1901b, p. 71 text fig. 20

Papillina papillata (Conrad), Wrigley, 1927, p. 249

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype, + 4 remaining specimens, No. 13949 ANSP, Moore, 1962, p. 82

Papillina staminea (Conrad) **Fasciolariidae**

Fusus stamineus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69, pl. 18, fig. 14); Conrad, 1835a, pl. 18, fig. 14; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Conrad, 1865a, p. 16; Harris, 1895b, p. 42

Fusus (Clavifusus) stamineus Conrad, de Gregorio, 1890, p. 83, pl. 6, fig. 15 copy Conrad

Fusus (Clavifusus) altilis (Conrad), de Gregorio, 1890, p. 84 in part, pl. 6, fig. 15 copy Conrad

Clavifusus stamineus (Conrad), Cossmann, 1893, p. 37; Wrigley, 1927, p. 249 = *Papillina*

Papillina staminea (Conrad) var., Harris, 1897a, p. 474, pl. 20, figs. 1-4

Papillina staminea (Conrad), Palmer, 1937, p. 363, pl. 50, figs. 10-12; Brann and Kent, 1960, p. 650

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Lectotype ?, No. 13941 ANSP, Moore, 1962, p. 98

Papillina staminea (Conrad) "var.", Harris, 1897a, p. 474, pl. 20, figs. 1-4
See *Papillina staminea* (Conrad)

Cf. **Papillina** sp. **Fasciolariidae**

Fusus (Neptunea ?) staminea Conrad, Whitfield, 1892, p. 197, pl. 25, figs. 1, 2; Whitfield, 1899, p. 170

This bears a close resemblance to *P. staminea.*

Range.—Middle Eocene. Shark R. ml., upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R.
Type.—Figured specimen, not found Rutgers, 1965

Parviscala newtonensis (Meyer and Aldrich)
See *Cirsotrema (Coroniscala) newtonensis* (Meyer and Aldrich)

Pasithea aciculata I. Lea
See *Balcis aciculata* (I. Lea)

Pasithea anita (Aldrich)
See *Melanopsis anita* (Aldrich)

Pasithea cancellata H. C. Lea
See *Acrocoelum cancellatum* (H. C. Lea)

Pasithea claibornensis I. Lea
See *Pasitheola claibornensis* (I. Lea)

Pasithea Coctavensis [*sic*] (Aldrich)
See *Bulliopsis choctavensis* (Aldrich)

Pasithea elegans H. C. Lea
See *Bittium (Stylidium) elegans* (H. C. Lea)

Cf. *Pasithea galma* de Gregorio
See *Pasitheola tornatelloides* (Meyer)

Pasithea guttula I. Lea
See *Pasitheola guttula* (I. Lea)

Pasithea lugubris I. Lea
See *Balcis notata* (I. Lea)

Pasithea minima H. C. Lea
See *Balcis aciculata* (I. Lea)

Pasithea notata I. Lea
See *Balcis notata* (I. Lea)

Pasithea secale I. Lea
See *Bayania secale* (I. Lea)

"Pasithea" striata I. Lea **Eulimidae**

Pasithea striata I. Lea, 1833, p. 102, pl. 4, fig. 83; H. C. Lea, 1849, p. 103; Harris, 1895b, p. 43
Pyramis striata (I. Lea), Conrad, App. *in* Morton, 1834, p. 4 in part; de Gregorio, 1890, p. 161 in part, pl. 15, fig. 40 copy I. Lea
Menestho striata (I. Lea), Conrad, 1860, p. 295
Coelatura striata (I. Lea), Conrad, 1865a, pp. 28, 35
Actaeonema ? striatum (I. Lea), Cossmann, 1893, p. 29 in part. Not Conrad, 1865a, p. 147
"Pasithea" striata I. Lea, Palmer, 1937, p. 68, pl. 82, fig. 6 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5502 ANSP

Pasithea sulcata I. Lea
See *Actaeonema sulcatum* (I. Lea)

Pasithea tornatelloides (Meyer)
See *Pasitheola tornatelloides* (Meyer)

Pasithea umbilicata I. Lea
See *Niso umbilicata* (I. Lea)

Pasitheola claibornensis (I. Lea) **Eulimidae**

Pasithea Claibornensis I. Lea, 1833, p. 104, pl. 4, fig. 87; H. C. Lea, 1849, p. 103; de Gregorio, 1890, p. 163, pl. 16, fig. 14 copy I. Lea; Harris, 1895b, p. 11

Eulima (Pasithea) claibornensis I. Lea, Conrad, 1865a, p. 29; Conrad, 1866a, p. 14

Bayania claibornensis (I. Lea), Cossmann, 1893, p. 28. Not *B. claibornensis* (Heilprin), Heilprin, 1879a, p. 214 [as *Melania*]

Pasitheola claibornensis (I. Lea), Palmer, 1937, p. 69, pl. 78, fig. 19 type I. Lea

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5508 ANSP

Pasitheola guttula (I. Lea) **Eulimidae**

Pasithea guttula I. Lea, 1833, p. 104, pl. 4, fig. 86; H. C. Lea, 1849, p. 103; Meyer, 1887b, p. 54, pl. 3, fig. 6; de Gregorio, 1890, p 162, pl. 16, fig. 9 copy Lea, fig. 10 copy Meyer; Cossmann, 1893, p. 28, pl. 2, fig. 21; Harris, 1895b, p. 21

Eulima (Pasithea) guttula I. Lea, Conrad, 1865a, p. 29; Conrad, 1866a, p. 14

Pasitheola guttula (I. Lea), Cossmann, 1896a, p. 27; Cossmann, 1897, p. 59; Palmer, 1937, p. 69, pl. 6, figs. 2, 3; Brann and Kent, 1960, p. 654

Balanocochilis guttula (I. Lea), Cossmann, 1909b, p. 136, pl. 2, figs. 27-31

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No 5507 ANSP

Pasitheola tornatelloides (Meyer) **Eulimidae**

Amaura tornatelloides Meyer, 1886b, p. 69, pl. 1, fig. 12

Pasithea tornatelloides (Meyer), de Gregorio, 1890, p. 165, pl. 16, fig. 35 copy Meyer; Cossmann, 1893, p. 28

Cf. *Pasithea galma* de Gregorio, 1890, p. 163, pl. 16, figs. 16, 17

Pasitheola tornatelloides (Meyer), Palmer, 1937, p. 70, pl. 6, fig. 1

Range.—Middle Eocene, Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638818 USNM

Paziella vanuxemi silvaticus (Palmer)
See *Murex vanuxemi silvaticus* Palmer

Penion bellus (Conrad) **Buccinidae**

Fusus bellus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 56, pl. 18, fig. 11 (Harris reprint, 1893, p. 112, pl. 18, fig. 11); H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363 in part; de Gregorio, 1890, pp. 91, 92 in part, pl. 7, fig. 3, fig. 5 copy Conrad, not figs. 2, 4 = *V. bella leai* Palmer; Harris, 1895b, p. 7

Fusus magnocostatus I. Lea, 1833, p. 147, pl. 5, fig. 150; H. C. Lea, 1849, p. 100; Tuomey, 1858, p. 265; Harris, 1895b, p. 27 = *F. bellus* Conrad

Sipho bella (Conrad), Conrad, 1865a, p. 16 in part

Sipho magnocostata (I. Lea), Conrad, 1865a, p. 17

Strepsidura bella (Conrad), Conrad, 1866a, p. 19

Suessionia bella (Conrad), Cossmann, 1889a, p. 157 not 1899 as in Palmer, 1937; Cossmann, 1893, p. 34; Cossmann, 1901b, p. 176

Fusus bellus var. *magnocostatus* I. Lea, de Gregorio, 1890, pp. 91, 92, pl. 7, fig. 8, fig. 9 copy Lea

Fusus bellus var. *tupus* de Gregorio, 1890, pp. 91, 92, pl. 7, figs. 11, 12

Suessionia magnocostata (I. Lea), Cossmann, 1893, p. 34; Cossmann, 1901b, p. 176

Verconella bella (Conrad), Palmer, 1937, p. 320, pl. 45, figs. 11, 12, 15; pl. 85, fig. 11 type *F. magnocostatus* I. Lea

Kelletia (Penion) bella (Conrad), Glibert, 1963b, p. 59

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg

Types.—Missing ANSP Moore, 1962, p. 42. Holotype, *Fusus magnocostatus* I. Lea, No. 5771 ANSP. Holotype *Fusus bellus* var. *tupus* de Gregorio formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Penion bellus leai (Palmer) **Buccinidae**

Fusus bellus Conrad, de Gregorio, 1890, pp. 91, 92 in part, pl. 7, figs. 2, 4

Verconella bella leai Palmer, 1937, p. 322, pl. 45, figs. 6, 7, 16; Brann and Kent, 1960, p. 971

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg; Orangeburg district

Types.—Syntypes, Nos. 3093-3095 PRI

Penion crebrissimus (I. Lea) **Buccinidae**

Fusus crebrissimus I. Lea, 1833, p. 147, pl. 5, fig. 149; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 14

Fusus bellus var. *crebrissimus* I. Lea, de Gregorio, 1890, p. 91, pl. 7, fig. 10 copy I. Lea

Verconella crebrissima (I. Lea), Palmer, 1937, p. 319, pl. 45, figs. 10, 14; pl. 86, fig. 5 type I. Lea [*crebissima typographical* error]; Brann and Kent, 1960, p. 971

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5759 ANSP

Penion delabechii (I. Lea) **Buccinidae**

Fusus Delabechii I. Lea, 1833, p. 148, pl. 5, fig. 15; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 15
Sipho Delabechii (I. Lea), Conrad, 1865a, p. 17, 190 + "*Neptunea lintea = Strepsidura lintea*"; Conrad, 1865c, p. 142; Conrad, 1865d, p. 210, pl. 20, fig. 1; Conrad, 1866a, p. 19; Harris, 1895b, p. 26
Fusus (Strepsidura) linteus Conrad, de Gregorio, 1890, p. 86, pl. 6 (not pl. 9 as in text), fig. 17 copy Conrad
Fusus (Strepsidura) limula Conrad, de Gregorio, 1890, p. 85 in part, pl. 7, fig. 17 copy *F. Delabechi* Lea. Not *F. limula* Conrad, 1833c, p. 43
Suessionia Delabechei [*sic*] (I. Lea), Cossmann, 1893, p. 35; Cossmann, 1901b, p. 176
Siphonalia lintea (Conrad), Cossmann, 1893, p. 34
Strepsidura lirata Conrad ms. labelled specimen ANSP; Conrad, 1866a, p. 19; Harris, 1895b, pp. 15, 26; Moore, 1962, p. 72
Verconella delabechii (I. Lea), Palmer, 1937, p. 319, pl. 45, figs. 1, 2, 8, fig. 9 holotype *S. lintea* Conrad; pl. 85, fig. 10 type; Brann and Kent, 1960, p. 971
Kelletia (Penion) delabechei [*sic*] (I. Lea), Glibert, 1963b, p. 60

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, No. 5781 ANSP. Probable holotype *Strepsidura lintea* Conrad, No. 13930 ANSP Moore, 1962, p. 71

Penion gracilis (Aldrich) **Buccinidae**

Trophon gracilis Aldrich, 1886, p. 19, pl. 5, fig. 6; Harris, 1899a, p. 62, pl. 8, fig. 4; Brann and Kent, 1960, p. 884
Fusus bellus Conrad, de Gregorio, 1890, p. 91 in part, pl. 7, fig. 6 only copy *T. gracilis* Aldrich
Suessionia gracilis (Aldrich), Cossmann, 1893, p. 35; Cossmann, 1901b, p. 176

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638752 USNM

Penion imbricatulus (Harris) **Buccinidae**

Latirus imbricatulus Harris, 1897a, p. 476, pl. 21, fig. 2
Muricidea imbricatula (Harris), Harris, 1899a, p. 62, pl. 8, fig. 5

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 6916 ANSP

Cf. **Penion multicostatus** (Heilprin) **Buccinidae**

Fusus (Urosalpinx) multicostatus Whitfield, 1892, p. 200, pl. 24, figs. 6, 7; Whitfield, 1899, p. 170

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, not found Rutgers, 1965

Cf. Penion penrosei (Palmer) **Buccinidae**

"Verconella" penrosei Palmer *in* Harris and Palmer, 1947, p. 368, pl. 49, fig. 11; Brann and Kent, 1960, p. 972

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Localities.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type); Carter Ldg., Ouachita R.
Type.—Holotype, No. 4709 PRI

Peratotoma Dalli Cossmann
See *Lyrosurcula dalli* (Cossmann)
See also *Surculoma (Volutapex) calantica* Harris

Peratotoma funiculigera Cossmann
See *Lyrosurcula funiculigera* (Cossmann)

Peratotoma gardneri Aldrich
See *Pseudotoma gardneri* (Aldrich)

Peratotoma (Peratotoma) insignifica (Heilprin)
See *Cochlespirella nana* (I. Lea)

Peratatoma (Amblyacrum) tabulata (Conrad)
See *Surculoma tabulata* (Conrad)

Periaulax elegans (I. Lea)
See *Solariella stalagmium* (Conrad)

Perissolax eocensis (Aldrich) **Ficidae**

Fulgur eocense Aldrich, 1895b, p. 10 in part, pl. 3, figs. 7, 7a, Greggs Ldg.
Triton (Ranularia) eocensis (Aldrich), Harris, 1896, p. 10 in part, not pl. 10, fig. 3; Harris, 1897a, p. 479, pl. 23, fig. 1; Harris, 1899a, p. 65, pl. 8, fig. 13 copy Harris, 1897a; not Brann and Kent, 1960, p. 881
Pseudoperissolax eocensis (Aldrich), Stewart, 1927, p. 429
Perissolax eocensis (Aldrich), Stewart, 1930, p. 41; Gardner, 1945, p. 183

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Types.—Syntypes, No. 638935 USNM (fig. 7), No. 638936 USNM (fig. 7a)

Perissolax trivolvus (Gabb) **Ficidae**

Fusus trivolvus Gabb, 1860b, p. 94, pl. 2, fig. 5
Perissolax trivolva (Gabb), Gabb, 1861, pp. 122, 123; Meek, 1864, p. 23; Conrad, 1868, p. 730; Whitfield, 1892, p. 172, pl. 21, fig. 1 type figs., 2, 3; Whitfield, 1899, p. 173; Johnson, 1905, p. 24; Weller, 1907, p. 731, pl. 85, fig. 6 type; Stewart, 1930, p. 41; Shimer and Shrock, 1944, p. 501, pl. 206, fig. 4 copy Whitfield *trivolvus;* Gardner, 1945, p. 183

Range.—Lower Eocene. Vincentown fm. (type)
Locality.—N.J.: Timber Creek boundary between Gloucester and Camden Cos. (type)
Type.—Holotype, No. 13813 ANSP

Perissolax sp. **Ficidae**

Fulgur eocense Aldrich, 1895b, p. 10 in part, not pl. 3, figs. 7, 7a

Triton (Ranularia) eocensis (Aldrich), Harris, 1896, p. 10 in part, pl. 10, fig. 3; not Harris, 1897a, p. 479, pl. 23, fig. 1; not Harris, 1899a, p. 65, pl. 8, fig. 13 copy Harris, 1897a; Brann and Kent, 1960, p. 881. Not *Triton Eocenense* Whitfield, 1892, p. 192

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden; Dales Branch

Type.—Figured specimen, No. 24533 PRI

Peristernia plicatus (I. Lea)
See *Latirus plicatus* (I. Lea)

Perrona bella (Conrad)
See cf. *Ancistrosyrinx bella* (Conrad)

Perrona engonata (Conrad)
See *Cochlespira engonata* (Conrad)

Persicula (Bullata) larvata (Conrad)
See *Bullata larvata* (Conrad)

Persicula (Bullata) plicata (I. Lea)
See *Bullata plicata* (I. Lea)

Persicula (Bullata) semen (I. Lea)
See *Bullata semen* (I. Lea)
See also *Bullata semen jacksonensis* (Meyer)

Persicula (Bullata) semen exilarata (de Gregorio)
See *Bullata semen exilarata* (de Gregorio)

Persicula (Bullata) semen minima (I. Lea)
See *Bullata semen minima* (I. Lea)

? *Persicula (Bullata) semenoides* (Gabb)
See *Bullata semenoides* (Gabb)

Persona (Distorsio) septemdentata (Gabb)
See *Distorsio (Personella) septemdentata* (Gabb)

Persona septemradiata (Gabb)
See *Distorsio (Personella) septemdentata* (Gabb)

Personella jacksonensis (Meyer)
See *Distorsio (Personella) jacksonensis* (Meyer)

Personella septemdentata (Gabb)
See *Distorsio (Personella) septemdentata* (Gabb)

Personella septemdentata jacksonensis (Meyer)
See *Distorsio (Personella) jacksonensis* (Meyer)

Peyrotes humerosa (Conrad)
See *Turritella humerosa* Conrad

Phalium brevicostatum (Conrad) **Cassidae** (Cassididae)*

Cassis brevicostatum Conrad, 1834, p. 146; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 97; d'Orbigny, 1850, p. 370; de Gregorio, 1890, p. 99; Cossmann, 1893, p. 32; Harris, 1895b, p. 8 not Dall, 1892, pl. 20, fig. 6
Semicassis brevicostatum (Conrad), Conrad, 1865a, p. 25; Conrad, 1866a, p. 15
Cassis (Phalium) globosum Dall, 1890, p. 161 in part; Dall, 1892, p. 262 in part, pl. 20, fig. 11 not fig. 6, fig. 11 error in locality = Richard's quarry, Ocala, Marion Co., Fla.; Schuchert, *et al.*, 1905, p. 499 in part (fig. 6 No. 112205 = holotype of *Phalium globosum* Dall)
Cassis (Pholium [*sic*]) *brevicostata* Conrad, Pilsbry, 1922, p. 362
"Cassis" brevicostata Conrad, Wrigley, 1934, p. 115
Phalium brevicostatum (Conrad), Palmer, 1937, p. 248, pl. 31, figs. 4, 9, fig. 10 copy Dall *P. globosum*, fig. 11; pl. 83, fig. 9 copy type; Harris and Palmer, 1947, p. 328; Brann and Kent, 1960, p. 685; Glibert, 1963a, p. 109

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Cook Mt. fm., (probable type), upper Claiborne gr.
Localities.—LA.: *Sabine Par.*, Columbus, Sabine R.; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; Hickory, about 3 mi. E. of Newton; 2 mi. NE. of Newton; *Clarke Co.*, Wautubbee, about 8 mi. W. of Enterprise. TEXAS: *Bastrop Co.*, Smithville. ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type) [horizon ?]
Types.—Lectotype, missing ANSP Moore, 1962, p. 43. Figured specimen "*Cassis (Phalium) globosa*" Dall No. 112203 USNM = *Phalium brevicostatum* (Conrad) see Palmer, 1937, p. 250

Phalium brevicostatum creolum Palmer **Cassidae** (Cassididae)*

Phalium brevicostatum creolum Palmer in Harris and Palmer, 1947, p. 328, pl. 42 figs. 7, 8; Brann and Kent, 1960, p. 685

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 4638 PRI

Phalium globosum Dall **Cassidae** (Cassididae)*

Cassis (Phalium) globosa Dall, 1892, p. 262 in part, pl. 20, fig. 6 (locality incorrect); not fig. 11 = *C. brevicostata* Conrad; Dall, 1903a, p. 1557
Cassidea globosa (Dall), Cossmann, 1903b, p. 125
Phalium globosum Dall, Schuchert, *et al.*, 1905, p. 499 in part; Palmer, 1937, pp. 248, 249; Harris and Palmer, 1947, p. 328
Cassis globosa Dall, Cooke, 1916, p. 111
Cassis caelatura Conrad, Cooke, 1923, p. 6. Not *C. caelatura* Conrad, 1848a, p. 288 Oligocene

Range.—Upper Eocene. "Ocala ls.", Ocala gr.
Locality.—FLA.: *Marion Co.*, Richard's quarry, Ocala (type)
Type.—Lectotype, No. 112205 USNM

Phalium taitii (Conrad) **Cassidae** (Cassididae)*

Cassis Taitii Conrad, 1834, p. 145; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 98; d'Orbigny, 1850, p. 370; Tuomey, 1858, p. 264 as *Taitei;* de Gregorio, 1890, p. 100 sp. dub.; Harris, 1895b, p. 44; Pilsbry, 1922, p. 362
Semicassis Taitii (Conrad), Conrad, 1865a, p. 26
Cassis Taitii ? Conrad, Aldrich, 1886, p. 47
Cassis (Phalium) taitii Conrad, Johnson, 1899, p. 77 in part, not pl. 2, fig. 5 = *P. taitii johnsoni* Palmer, 1947
Phalium Taitii (Conrad), Palmer, 1937, p. 251, pl. 83, fig. 10 type
Phalium taitii (Conrad), Harris and Palmer, 1947, p. 329

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, ANSP, Palmer, 1937; missing Moore, 1962, p. 101

Phalium taitii johnsoni Palmer **Cassidae** (Cassididae)*

Cassis (Phalium) taitii Conrad, Johnson, 1899, p. 77, pl. 2, fig. 5. Not Conrad, 1834, p. 145
Phalium taitii johnsoni Palmer *in* Harris and Palmer, 1947, p. 328, pl. 42, figs. 12, 13; Brann and Kent, 1960, p. 685

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Caldwell Par.* Bunker Hill Ldg., Ouachita R.; *Grant Par.*, Montgomery Ldg., Red R.
Types.—Holotype, No. 7083 ANSP; paratypes, Nos. 4639, 4640 PRI

Cf. **Phalium** sp. **Cassidae** (Cassididae)*

Phalium sp. Kellum, 1926, p. 29, pl. 5, fig. 16
Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *Pender Co.*, old Rocky Point
Type.—Figured specimen, No. 353316 USNM

Philine alabamensis Aldrich **Philinidae**

Philine alabamensis Aldrich, 1897a, p. 10, pl. 5, fig. 6; Harris, 1899a, p. 10, pl. 1, fig. 16 copy Aldrich

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)
Type.—Holotype, No. 638981 USNM

Phorus humilis Conrad
See *Xenophora humilis* (Conrad)

Phorus reclusus Conrad
See *Xenophora reclusa* (Conrad)

Phorus reclusus ? Conrad, Aldrich, 1886. Not Conrad, 1854
See *Xenophora* sp.

Phos albirupinus Harris
See *Tritiaria albirupina* (Harris)

Phos bellaliratus Gabb
See *Dorsanum bellaliratum* (Gabb)

Phos hilli Harris
See *Tritiaria hilli* (Harris)
See also *Tritiaria magnocostata* (Johnson)

Phos hilli jacksonensis Johnson
See *Tritiaria jacksonensis* (Johnson)

Phos hilli magnocostatus Johnson
See *Tritiaria magnocostata* (Johnson)

Phos johnsoni Vaughan
See *Metula johnsoni* (Vaughan)

Phos (Buccitriton) sagenus (Conrad)
See *Buccitriton sagenum* (Conrad)

Phos (Buccitriton) scalatus (Heilprin)
See *Dorsanum scalatum* (Heilprin)

Phos texanus Gabb
See *Buccitriton texanum* (Gabb)

Phos texanus Gabb formae 1-3, Renick and Stenzel, 1931. Not Gabb, 1860d
See *Buccitriton* spp.

Phos trimorfopse de Gregorio
See *Buccitriton sagenum* (Conrad)

Phyllonotus engonatus marksi Harris
See *Murex (Phyllonotus) engonatus marksi* Harris

Phyllonotus engonatus supernus Palmer
See *Murex (Phyllonotus) engonatus supernus* Palmer

Phyllonotus mantelli (Conrad)
See *Murex (Phyllonotus) mantelli* (Conrad)

Phyllonotus marksi (Harris)
See *Murex (Phyllonotus) marksi* Harris

Phyllonotus morulus (Conrad)
See *Eupleura morula* (Conrad)

Physa choctavensis Aldrich
See *Limacina choctavensis* (Aldrich) in Pteropoda, Part I

Physa elongatoidea Aldrich
See *Limacina elongatoidea* (Aldrich) in Pteropoda, Part I

Piropsis [*sic*] *perula* (Aldrich)
See *Sceptrum perula* (Aldrich)

Pirula see *Pyrula*

Pisania bucciniformis Heilprin
See *Mitrella (Clinurella) bucciniformis* (Heilprin)

Pisania claibornensis Whitfield
See *Ranellina maclurii* (Conrad)

Pisania constricta (Aldrich)
See *Laevibuccinum constrictum* (Aldrich)

Pisania dubia Aldrich
See *Euthria dubia* (Aldrich)

Pisania (Tritonidea) johnsoni Aldrich
See *Cantharus (   ) johnsoni* (Aldrich)

Pisania sp. dub. Aldrich, de Gregorio, 1890
See *Euthria dubia* (Aldrich)

"Planaria" nitens I. Lea **Atlantidae**

Planaria nitens I. Lea, 1833, p. 124, pl. 4, fig. 113; H. C. Lea, 1849, p. 104; Conrad, 1865a, p. 33; Conrad, 1866a, p. 11; Dall, 1892, p. 332 heteropod; Harris, 1895b, p. 30; Curry, 1965, p. 369, ? *Skaptotion bartonense* p. 368

Not *Solarium nitens* I. Lea, Meyer and Aldrich, 1886, p. 47; Aldrich, 1887, p. 78 text figure under "*Planaria nitens* Lea", "embryonic shell *Solarium*"

Cyclostrema (Daronia) nitens (I. Lea), de Gregorio, 1890, p. 138, pl. 12, fig. 64; Cossmann, 1893, p. 21. Not *Delphinula nitens* Philippi, 1844, p. 146 = *Cyclostrema nitens* (Philippi), Harmer, 1923, p. 755

"Planaria" nitens I. Lea, Palmer, 1937, p. 474, pl. 90, fig. 17 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5635 ANSP

Planorbis andersoni Gardner **Planoridae**

Planorbis andersoni Gardner, 1927, p. 377, figs. 36, 37; Henderson, 1935, pp. 19, 38, 244; Palmer, 1937, p. 504, pl. 76, figs. 1, 2 copies Gardner; Gardner, 1951, p. 11 believed closely related to *Spiratella* (pteropod); Curry, 1965, p. 369, ?*Skaptotion bartonense*

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Anderson Co.*, ¾ mi. S. of Elkhart (type)

Type.—Holotype, No. 369235 USNM

Platyoptera extenta (Conrad) **Strombidae**

Rostellaria extenta Conrad *in* Wailes, 1854, p. 289, pl. 16 [17], fig. 3 (reprint, 1939, p. 19, pl. 3, fig. 3)

Aporrhais (Platyoptera) extenta (Conrad), Conrad, 1856a, p. 260 reprint, 1939, p. 6)

Platyoptera extenta (Conrad), Conrad, 1865a, p. 31; Conrad, 1866a, p. 25; Stoliczka, 1868, p. 448; Harris and Palmer, 1947, p. 314, pl. 41, figs. 1-4; Brann and Kent, 1960, pp. 711, 712

Hippochrenes extenta (Conrad), Gabb, 1868, p. 141

Rostellaria (Hippocrenes [*sic*]*) extenta* Conrad, Aldrich, 1894b, p. 244

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Yazoo clay, upper Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type); about 1 mi. SW. of City Water Works, Jackson. ALA.: *Washington*

Co., 1st hard ledge above *Scutella* bed, Gopher Hill above St. Stephens, [Tombigbee R.]. LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; 1 mi. above Gibson Ldg., Ouachita R.; *Grant Par.*, Montgomery Ldg. extreme base Red R. (James Allen per. com. July 6, 1965)

Type.—Lectotype, No. 13210 ANSP Moore, 1962, p. 60

Plejona conoides (Tuomey)
See *Athleta conoides* (Tuomey)

Plejona (Volutocorbis) kerensensis F. B. Plummer
See *Volutocorbis kerensensis* F. B. Plummer

Plejona limopsis (Conrad)
See *Volutocorbis limopsis* (Conrad)

Plejona (Volutocorbis) lisbonensis crockettensis F. B. Plummer
See *Athleta lisbonensis* forma *crockettensis* (F. B. Plummer)

Plejona (Volutocorbis) lisbonensis wechesensis F. B. Plummer
See *Athleta lisbonensis* forma *wechesensis* (F. B. Plummer)

Plejona (Volutocorbis) olssoni F. B. Plummer
See *Volutocorbis olssoni* F. B. Plummer

Plejona cf. *P. petrosus* (Conrad), Kellum, 1926. Not *A. petrosus* (Conrad), 1833b
See *Athleta* sp.

Plejona petrosa tuomeyi (Conrad)
See *Athleta tuomeyi* (Conrad)

Plejona rugata (Conrad)
See *Volutocorbis rugatus* (Conrad)

Plejona (Volutocorbis) saffordi (Gabb)
See *Volutocorbis rugatus saffordi* (Gabb)

Plejona (Volutocorbis) stenzeli F. B. Plummer
See *Volutocorbis stenzeli* F. B. Plummer

Plejona (Volutocorbis) texana Gardner (MS.) vars. A, B, C *in* F. B. Plummer
See *Volutocorbis texanus* Gardner *in* F. B. Plummer

Plejona tuomeyi (Conrad)
See *Athleta tuomeyi* Conrad

Plejona (Volutocorbis) wheelockensis bastropensis F. B. Plummer
See *Athleta wheelockensis* forma *bastropensis* (F. B. Plummer)

Plejona (Volutocorbis) wheelockensis sabinensis F. B. Plummer
See *Athleta wheelockensis* forma *sabinensis* (F. B. Plummer)

Plentaria plenta (Aldrich and Harris)
See *Turricula (Plentaria) plenta* (Aldrich and Harris)

Plentaria plenta horrida Harris
See *Turricula (Plentaria) plenta horrida* Harris

Pleurofusia claibarena Harris **Turridae**

Pleurofusia claibarena Harris, 1937, p. 50, pl. 10, figs. 1, 2; Brann and Kent, 1960, p. 713

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2525 PRI

Pleurofusia collaris (Casey) **Turridae**

Pleurotoma collaris Casey, 1903, p. 270
Pleurofusia collaris (Casey), Casey, 1904, pp. 127, 152; Harris, 1937, p. 52, pl. 10, fig. 8 type; Gardner, 1945, p. 244
Turricula (Pleurofusia) collaris (Casey), Harris and Palmer, 1947, p. 431, pl. 59, fig. 13 holotype, figs. 14, 15; Brann and Kent, 1960, p. 889

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 481668 USNM

Pleurofusia danvicola Harris **Turridae**

Turricula ([*Pleurofusia*]) *danvicola* Harris, 1937, p. 59, pl. 10, fig. 33 (*Pleurofusia* on pl.)
Turricula (Pleurofusia) danvicola Harris, Harris and Palmer, 1947, p. 429, pl. 59, fig. 6; Brann and Kent, 1960, p. 890

Range.—Upper Eocene. Danville Ldg. beds, (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 2542 PRI

Pleurofusia danvicola Harris "var." **Turridae**

Turricula (Pleurofusia) danvicola Harris var. ?, Harris and Palmer, 1947, p. 429, pl. 59, fig. 7; Brann and Kent, 1960, p. 890 "var."

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Figured specimen, No. 4991 PRI

Pleurofusia danvicola parahilgardina Harris **Turridae**

Turricula (Pleurofusia) danvicola parahilgardina Harris *in* Harris and Palmer, 1947, p. 430, pl. 59, fig. 8; Brann and Kent, 1960, p. 890

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 4992 PRI

Pleurofusia fluctuosa (Harris) **Turridae**

Turricula (   ) fluctuosa Weisbord ms., Harris, 1937, p. 59, pl. 11, fig. 1
Turricula fluctuosa Harris (Weisbord ms.), Harris and Palmer, 1947, p. 430, pl. 59, fig. 11 holotype, fig. 12 as *Pleurofusia;* Brann and Kent, 1960, p. 891

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Caldwell Par.*, Bunker Hill Ldg., Ouachita R. (type)
Type.—Holotype, No. 2543 PRI

Pleurofusia evanescens (Casey) Pl. 4, figs. 6, 7 **Turridae**

Pleurotoma evanescens Casey, 1903, p. 269
Pleurofusia evanescens (Casey), Casey, 1904, p. 152

Range.—Upper Eocene. Kimbrel bed, lower Jackson gr. (type)
Locality.—LA.: *Grant Par.*, estate of T. W. Kimbrel, S. of Montgomery, Red R. (type)
Types.—Lectotype, No. 481618 USNM "measured". Two other specimens paralectotypes, No. 480500 USNM

Pleurofusia hilgardi (Casey) **Turridae**

Pleurotoma hilgardi Casey, 1903, p. 270
Pleurofusia hilgardi (Casey), Casey, 1904, pp. 127, 152; Harris, 1937, p. 52, pl. 10, fig. 7 holotype
Turricula (Pleurofusia) hilgardi (Casey), Harris and Palmer, 1947, p. 430, pl. 59, fig. 9 holotype, fig. 10; Brann and Kent, 1960, p. 892

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type); *Clarke Co.*, Garland Creek near Shubuta
Type.—Holotype, No. 481669 USNM

Pleurofusia ? huppertzi (Harris) **Turridae**

Pleurotoma huppertzi Harris, 1895a, p. 58, pl. 4, fig. 9; Casey, 1904, p. 154
Turricula (Pleurofusia ?) huppertzi (Harris), Harris, 1937, p. 52, pl. 10, fig. 9 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); Bombshell Bluff, Colorado R., about 1½ mi. WNW. of Devils Eye
Type.—Holotype, No. 35618 BEG (old No. 747 Texas State Mus.)

Pleurofusia ? huppertzi (Harris) "var." **Turridae**

Turricula (Pleurofusia ?) huppertzi (Harris) var., Harris, 1937, p. 52, pl. 10, fig. 10; Brann and Kent, 1960, p. 892 [add "var." No. 2527]

Range.—Middle Eocene. Weches fm., middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.
Type.—Figured specimen, No. 2527 PRI

Pleurofusia ? huppertzi (Harris) "var." **Turridae**

Turricula (Pleurofusia ?) huppertzi (Harris) varying towards *penrosei*, Harris, 1937, p. 52, pl. 10, fig. 11; Brann and Kent, 1960, p. 892 [under *T. (P.) huppertzi* "var."]

Range.—Middle Eocene. Weches fm., middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.
Type.—Figured specimen, No. 2529 PRI

Pleurofusia ? huppertzi hammettensis Harris **Turridae**

Pleurotoma cf. *P. huppertzi* var. *penrosei* Harris, Vaughan, 1896, p. 39
Turricula (Pleurofusia ?) huppertzi hammettensis Harris, 1937, p. 52, pl. 10, fig. 10a; Brann and Kent, 1960, p. 892

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—Exact locality in NW. Louisiana unknown most probably from Hammett's Branch, *Bienville Par.* (type)
Type.—Holotype, No. 2528 PRI

Pleurofusia kellogii (Gabb)
See *Surculoma ? (Volutapex ?) kellogii* (Gabb)

Pleurofusia longirostropis de Gregorio **Turridae**

Pleurotoma (Pleurofusia) longirostropis de Gregorio, 1890, p. 34, pl. 2, figs. 26, 27
Surcula longirostropis (de Gregorio), Cossmann, 1893, p. 43; Cossmann, 1896b, p. 71
Pleurofusia longirostropis de Gregorio, Casey, 1904, p. 152 in part (type species of *Pleurofusia*, not *P. servata* as in Casey, 1904, p. 127); Stewart, 1927, p. 417 footnote; Gardner, 1945, p. 244
Turricula (Pleurofusia) longirostropis de Gregorio, Harris, 1937, pp. 50, 51, pl. 10, fig. 6 copy type

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Pleurofusia prosseri (Harris) **Turridae**

Pleurotoma (Drillia) prosseri Harris, 1895a, p. 60, pl. 5, fig. 5
Drillia prosseri Harris, Casey, 1904, p. 158
Turricula prosseri (Harris), Harris, 1937, p. 59, pl. 10, fig. 32 copy type

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.
Localities—TEXAS: *Bastrop Co.*, near Smithville, Colorado R.; *Houston Co.*, Hurricane Bayou, near Crockett (type) Harris, 1895, 1937 (ex. pl.); *Brazos Co.*, Little Brazos R. on Moseley's Ferry road
Type.—Holotype, No. 35636 BEG

Pleurofusia subservata Harris **Turridae**

Turricula (Pleurofusia) subservata Harris *in* Harris and Palmer, 1947, p. 431 pl. 59, figs. 19, 20; Brann and Kent, 1960, p. 893

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 4999 PRI

Pleurofusia tiprapa de Gregorio
See *Eodrilla lonsdalii* (I. Lea)

Pleuroliria crenulosa Casey **Turridae**

Pleuroliria crenulosa Casey, 1904, p. 131; Harris, 1937, p. 9, pl. 1, figs. 8, 8a copy syntypes

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Types.—Syntypes, No. 494343 USNM

Pleuroliria crenulosa Casey "var." **Turridae**

Pleuroliria crenulosa Casey var., Harris, 1937, p. 9, pl. 1, figs. 9, 10; Brann and Kent, 1960, p. 714

Range.—Middle Eocene. Middle or upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Sabine R. near Columbus (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)
Types.—Figured specimens, Nos. 2360a, 2360b PRI

Pleuroliria crenulosa crescens Harris **Turridae**

Pleuroliria crenulosa var. *crescens* Harris, 1937, p. 9, pl. 1, fig. 11; Brann and Kent, 1960, p. 714

Range.—Middle Eocene. Middle or upper Claiborne gr. (type)
Locality.—LA.: *Sabine Par.*, Sabine R. near Columbus (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130) (type)
Type.—Holotype, No. 2361 PRI

Pleuroliria jacksonella Casey **Turridae**

Pleuroliria jacksonella Casey, 1904, p. 131; Harris, 1937, p. 9, pl. 1, fig. 7 holotype; Harris and Palmer, 1947, p. 416, pl. 57, fig. 1 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 494344 USNM

Pleuroliria simplex Casey **Turridae**

Pleuroliria simplex Casey, 1904, p. 131; Harris, 1937, p. 8, pl. 1, fig. 6 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Holotype, No. 494342 USNM

Pleuroliria subdeviata de Gregorio **Turridae**

Pleurotoma (Pleuroliria ?) subdeviata de Gregorio, 1890, p. 40, pl. 2, figs. 51, 52
Pleuroliria subdeviata de Gregorio, Cossmann, 1893, p. 43
"*Pleurotoma (Pleuroliria ?) subdeviata* de Gregorio," Harris, 1937, p. 61, pl. 11, fig. 5 copy de Gregorio

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Pleuroliria supramirifica de Gregorio **Turridae**

Pleurotoma (Pleuroliria) supramirifica de Gregorio, 1890, p. 38, pl. 2, figs. 46-48

Pleuroliria supramirifica de Gregorio, Cossmann, 1893, p. 43; Wenz, 1943, p. 1404, fig. 3967 copy de Gregorio; Gardner, 1945, p. 245

? *Pleuroliria supramirifica* de Gregorio, Casey, 1904, p. 132 under *P. cochlearis* (Conrad)

Pleuroliria supramirifica de Gregorio "an. var. *cochlearis* Conr.", Harris, 1937, p. 8, pl. 1, figs. 5, a, b copies de Gregorio. Locality not stated by de Gregorio but supposed to be Claiborne Bluff. *P. cochlearis* Conrad, 1848b Vicksburg included as "variety" Casey, 1904, p. 132; Harris, 1937, p. 8

Type species *(Pleuroliria* de Gregorio) by subsequent designation, Cossmann, 1893 previous to designation of Casey, 1904, of *P. cochlearis* Con. as used by Harris, 1937.

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. of Palermo, Palermo, Sicily. Lost

Pleuroliria tizis de Gregorio **Turridae**

Pleurotoma (Pleuroliria) tizis de Gregorio, 1890, p. 39, pl. 2, fig. 49

Pleuroliria tizis de Gregorio, Cossmann, 1893, p. 43; Harris, 1937, p. 8, pl. 1, fig. 5c copy de Gregorio

? *Pleuroliria tizis* de Gregorio, Casey, 1904, p. 132, under *P. cochlearis* (Conrad)

Range.—Presumably middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—Presumably ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Pleurotoma (Drillia) abundans pulchreconcha de Gregorio
See *Drillia pulchreconcha* de Gregorio

Pleurotoma acuminata Sowerby, Heilprin, 1881. Not James Sowerby, 1816
See *Orthosurcula ? langdoni* Aldrich

Pleurotoma acutirostra Conrad
See *Coronia childreni* (I. Lea)

Pleurotoma adeona Whitfield
See *Orthosurcula adeona* (Whitfield)

Pleurotoma adolescens (Harris)
See *Eopleurotoma adolescens* Harris

Pleurotoma aldrichi Meyer
See *Pseudotoma aldrichi* (Meyer)

Pleurotoma alternata Conrad
See *Coronia ? alternata* (Conrad)

Pleurotoma (Surcula ?) altispira Whitfield
See *Eopleurotoma ? altispira* (Whitfield)

"Pleurotoma alveata" Conrad *nomen nudum* (ANSP label)
See *Protosurcula gabbi* Conrad

Pleurotoma americana (Aldrich)
See *Sinistrella americana* (Aldrich)

Pleurotoma (Pleurotomella) anacona Harris
See *Coronia anacona* (Harris)

Pleurotoma (Tripia) anteatripla de Gregorio
See *Tripia anteatripla* de Gregorio

Pleurotoma Baumontii I. Lea
See *Eosurcula beaumontii* (I. Lea) corrected spelling named for Elie de Beaumont

Pleurotoma beadata Harris
See *Leptosurcula beadata* (Harris)

Pleurotoma beaumontii I. Lea
See *Eosurcula beaumontii* (I. Lea)

Pleurotoma (Cordiera) biconica (Whitfield)
See *Cordiera biconica* (Whitfield)

"Pleurotoma biseriata" Conrad *nomen nudum*

Pleurotoma biseriata Conrad, App. *in* Morton, 1834, p. 4; Bronn, 1848b, p. 1001; d'Orbigny, 1850, p. 360; Harris, 1895b, p. 7

Surcula biseriata (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18

Pleurotoma (Surcula) biseriata (Conrad), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18

Pleurotoma (Surcula) biseriata Conrad, de Gregorio, 1890, p. 32
Never described or illustrated. Moore, 1962, p. 43 *nomen nudum*

Pleurotoma caelata I. Lea
See *Surculoma tabulata* (Conrad)

Pleurotoma cainei Harris
See *Eopleurotoma cainei* (Harris)

Pleurotoma callifera Conrad
See *Eodrillia lonsdalii* (I. Lea)

Pleurotoma cancellatum H. C. Lea
See *Daphnella gregoriori* (Cossmann)

"Pleurotoma" capax Whitfield **Turridae**

Pleurotoma capax Whitfield, 1865, p. 261, pl. 27, fig. 3; Aldrich, 1886, p. 55; ? Heilprin, 1891a, p. 394; Whitfield, 1899, p. 173; Harris, 1899a, p. 18, pl. 2, fig. 9; Casey, 1904, p. 163; Le Blanc, 1942+, p. 152, pl. 19, figs. 5, 8; Brann and Kent, 1960, p. 716

Pleurotoma (Surcula) capax Whitfield, de Gregorio, 1890, p. 31, pl. 2, fig. 19 copy Whitfield

Surcula (?) *capax* (Whitfield), Cossmann, 1893, p. 44

Range.—Lower Eocene. Tuscahoma fm. (type), middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, "6 mi. above Claiborne Bluff" Alabama R. [exact locality not differentiated] (type) probably Bells Ldg., Alabama R.; Greggs Ldg., Alabama R.; Lower Peachtree Ldg., Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R.

Types.—Syntypes (2), No. UC 24511 CNHM; not in Cornell Univ. as in Harris, 1899a and Le Blanc, 1942⁺

Pleurotoma carinata Conrad
See "*Pleurotoma terebralis* Lam. var. *carinata* Conr." *nomen nudum*

Pleurotoma carlotta Harris
See *Trypanotoma carlotta* (Harris)

Pleurotoma childreni I. Lea
See *Coronia childreni* (I. Lea)

Pleurotoma (Hemipleurotoma) childreni I. Lea, Clark and Martin, 1901. Not I. Lea, 1833
See *Coronia* sp.

"*Pleurotoma childreni* Lea var. *bilota* H[arris]" *nomen nudum;* Kennedy, 1895, pp. 116, 127; Vaughan, 1896, p. 39

Pleurotoma coelata I. Lea
See *Surculoma tabulata* (Conrad)

Pleurotoma collaris Casey
See *Pleurofusia collaris* (Casey)

Pleurotoma (Ancistrosyrinx) columbaria Aldrich
See *Ancistrosyrinx columbaria* (Aldrich)

Pleurotoma (Dolichotoma) congesta var. *refervens* de Gregorio
See *Bathytoma congesta refervens* (de Gregorio)

Pleurotoma conoides Conrad
See *Conorbis conoides* (Conrad)

Pleurotoma cossmanni Meyer
See *Microdrillia cossmanni* (Meyer)

Pleurotoma (Scobinella) crassiplicata (Gabb)
See *Glyptotoma crassiplicata* (Gabb)

Pleurotoma cristata Conrad, Aldrich, 1886. Not Conrad, 1848a
See cf. *Ancistrosyrinx greggi* (Harris) in part

Pleurotoma cristata Conrad, Meyer, 1884. Not Conrad, 1848a
See *Cochlespira engonata* Conrad

Pleurotoma denticula (Bast.) Heilprin, Harris, 1937. Not Basterot, 1825
See *Coronia childreni* (I. Lea)

Pleurotoma denticula Basterot "var." Harris, 1899a. Not Basterot, 1825
See *Coronia childreni* (I. Lea) variation

Pleurotoma depygis Conrad
See *Eodrillia depygis* (Conrad)

Pleurotoma desnoyersi I. Lea
See *Eopleurotoma desnoyersii* (I. Lea)

Pleurotoma (Surcula) Desnoyersopsis de Gregorio
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma dipta Harris
See *Drillia ? dipta* (Harris)

Pleurotoma ducateli Clark and Martin
See cf. *Eosurcula ducateli* (Clark and Martin)

Pleurotoma (Drillia) dumblei Harris
See *Surculoma dumblei* (Harris)

Pleurotoma elabora [*sic*] Conrad
See *Scobinella elaborata* (Conrad)

Pleurotoma elaborata Conrad
See *Scobinella elaborata* (Conrad)

"*Pleurotoma elongatum* Conrad" *nomen nudum*
Not in "Jour. Acad. VI" as in H. C. Lea, 1849, p. 104

Pleurotoma (Cochlespira) engonata Conrad
See *Cochlespira engonata* Conrad

Pleurotoma enstricrina Harris
See *Hesperiturris nodocarinatus enstricrinus* (Harris)

Pleurotoma evanescens Casey
See *Pleurofusia evanescens* (Casey)

Pleurotoma exilloides Aldrich
See *Sullivania exilloides* (Aldrich)

"Pleurotoma" exsculpata Meyer **Turridae**
Pleurotoma exsculpata Meyer, 1885a, pp. 466, 468

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Probably lost, not USNM, 1964

Pleurotoma (Clathurella ?) fannae Harris
See *Raphitoma fannae* (Harris)

"Pleurotoma" farmingdalensis Whitfield **Turridae**
Pleurotoma Farmingdalensis Whitfield, 1892, p. 185, pl. 23, figs. 3, 4; Whitfield, 1899, p. 173; Weller, 1907, p. 802, pl. 98, figs. 18-19

Range.—Lower Eocene. Manasquan fm. (type)
Locality.—N.J.: *Monmouth Co.*, Farmingdale (type)
Type.—Holotype, not found Rutgers, 1965

Pleurotoma (Taranis) finexa Harris
See *Cancelrana finexa* (Harris)

Pleurotoma (Drillia) fita de Gregorio
See *Surculoma ? (Volutapex ?) fita* (de Gregorio)

Pleurotoma (Surcula) gabbi (Conrad)
See *Protosurcula gabbi* (Conrad)

Pleurotoma (Peratotoma) gardneri Aldrich
See *Pseudotoma gardneri* (Aldrich)

Pleurotoma gemmata Conrad
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma georgei Harris
See *Raphitoma (Microsurcula) georgei* (Harris)

Pleurotoma gregoriori Cossmann
See *Daphnella gregoriori* (Cossmann)

Pleurotoma harrisi Clark
See cf. *Eopleurotoma harrisi* (Clark)

Pleurotoma heilprini Aldrich
See *Pseudotoma heilprini* (Aldrich)

Pleurotoma heilpriniana H[arris], Kennedy, 1895, pp. 116, 120 *nomen nudum*

Pleurotoma hilgardi Casey
See *Pleurofusia hilgardi* (Casey)

Pleurotoma hoeninghausii I. Lea
See *Eopleurotoma hoeninghausii* (I. Lea)

Pleurotoma huppertzi Harris
See *Pleurofusia ? huppertzi* (Harris)

Pleurotoma huppertzi penrosei Harris
See *Surculoma penrosei* (Harris)

Pleurotoma cf. *P. huppertzi* var. *penrosei* Harris, Vaughan, 1896
See *Pleurofusia ? huppertzi hammettensis* Harris

Pleurotoma infans Meyer of authors. Not Meyer, 1886b, p. 75 Oligocene
See *Microdrillia* spp.
See also *Microdrillia infans bicincta* Harris

Pleurotoma (Mangilia [*sic*]*) infans* Meyer, Harris, 1899a. Not Meyer, 1886b, p. 75
See *Microdrillia* sp.

Pleurotoma insignifica Heilprin
See *Cochlespirella nana* (I. Lea)

Pleurotoma jacksonensis Meyer
See *Scobinella ? jacksonensis* (Meyer)

Pleurotoma julia Cooke
See *Eopleurotoma julia* (Cooke)

Pleurotoma (Drillia) kellogi (Gabb)
See *Surculoma ? (Volutapex ?) kellogi* (Gabb)

Pleurotoma (Drillia) laevis Conrad = *Drillia laevis* Conrad *nomen nudum*

Pleurotoma langdoni Aldrich
See *Orthosurcula ? langdoni* (Aldrich)

"Pleurotoma" (Cythara ?) leania Harris **Turridae**
Pleurotoma (Cythara ?) leania Harris, 1896, p. 79, pl. 7, fig. 17; Harris, 1897a, p. 480, pl. 23, fig. 7
Fusitoma ? leania (Harris), Casey, 1904, p. 163

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Cr. fm., upper Midway gr.

Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R. (type)

Types.—Holotype and paratype, No. 6534 ANSP

Pleurotoma leoncola Harris
See *Surculoma leoncola* (Harris)

Pleurotoma lerchi Vaughan
See *Coronia lerchi* (Vaughan)

Pleurotoma lesueurii I. Lea
See *Eosurcula lesueurii* (I. Lea)

Pleurotoma lirata (Conrad)
See *Surcula lirata* Conrad *nomen nudum*

Pleurotoma longipersa Harris
See *Orthosurcula longipersa* (Harris)

Pleurotoma (Pleurofusia) longirostropis de Gregorio
See *Pleurofusia longirostropis* de Gregorio

Pleurotoma Lonsdalii I. Lea
See *Eodrillia lonsdalii* (I. Lea)

Pleurotoma ludoviciana Vaughan
See *Infracoronia ludoviciana* (Vaughan)

Pleurotoma (Bathytoma) marieana Aldrich
See *Bathytoma marieana* Aldrich

Pleurotoma mediavia Harris
See *Coronia mediavia* (Harris)

Pleurotoma mediavia Harris "var."
See *Coronia mediavia* (Harris) "var."

Pleurotoma mediavia equiseta Harris
See *Coronia ? mediavia equiseta* (Harris)

Pleurotoma megapis H[arris], Kennedy, 1895, p. 116 *nomen nudum*

Pleurotoma (Mangelia) meridionalis Meyer
See *Eoclathurella meridionalis* (Meyer)

Pleurotoma meyeri (Cossmann)
See *Microdrillia cossmanni* (Meyer)

"Pleurotoma" moniliata Heilprin **Turridae**

Pleurotoma moniliata Heilprin, 1881, p. 373, pl. 20, fig. 9; Aldrich, 1886, p. 52; Harris, 1899a, p. 11, pl. 1, fig. 20; Casey, 1904, p. 137; Brann and Kent, 1960, p. 717

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; Cave Branch, Bashi Cr. (type)
Type.—Holotype, No. 19 GSATC

Pleurotoma monilifera I. Lea
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma (Surcula) moorei (Gabb)
See *Eosurcula moorei* (Gabb)
See also *Eosurcula tuomeyi* (Aldrich)

Pleurotoma nana (I. Lea)
See *Cochlespirella nana* (I. Lea)

Pleurotoma nasuta Whitfield
See *Surcula nasuta* (Whitfield)

Pleurotoma nebulosa Harris
See *Surculoma nebulosa* (Harris)

Pleurotoma nodocarinata (Gabb)
See *Hesperiturris nodocarinatus* (Gabb)

Pleurotoma nodoideus Aldrich
See cf. *Coronia nodoidea* (Aldrich)

Pleurotoma nupera Conrad
See *Eopleurotoma nupera* (Conrad)

Pleurotoma obliqua H. C. Lea
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma (Surcula) ostrarupis Harris
See *Coronia ostrarupis* (Harris)
See also *"Pleurotoma"* sp.

Pleurotoma pagoda Heilprin. Not Reeve, 1845a
See *Levifusus ? pagodiformis* (Heilprin)

Pleurotoma parviuscula Conrad, App. *in* Morton, 1834, p. 4; d'Orbigny, 1850, p. 360 *nomen nudum*

Pleurotoma perexilis Aldrich
See *Sullivania perexilis* (Aldrich)

Pleurotoma persa Whitfield
See *Orthosurcula persa* (Whitfield)

Pleurotoma (Drillia) Pinaculina de Gregorio
See *Eodrillia lonsdalii* (I. Lea)

"Pleurotoma" piscatavensis Clark and Martin **Turridae**

Pleurotoma piscatavensis Clark and Martin, 1901, p. 127, pl. 20, fig. 12

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Prince Georges Co.*, 1 mi. NE. of Piscataway (type)
Type.—Holotype, USNM

Pleurotoma platysoma Heilprin
See *Protosurcula gabbi* (Conrad)

Pleurotoma (Drillia) pleboides Harris, Kennedy, 1895, p. 125 *nomen nudum*

Pleurotoma (Borsonia) plenta Aldrich and Harris
See *Turricula (Plentaria) plenta* (Aldrich and Harris)
See also *Turricula plenta horrida* Harris

Pleurotoma potomacensis Clark and Martin
See cf. *Eopleurotoma potomacensis* (Clark and Martin)

Pleurotoma (Clavatula) properugosa de Gregorio
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma proruta Conrad
See *Leiorhinus prorutus* (Conrad)

Pleurotoma (Drillia) prosseri Harris
See *Pleurofusia prosseri* (Harris)

Pleurotoma (Strombina) protapa de Gregorio
See *Eopleurotoma nupera* (Conrad)

Pleurotoma pulcherrima (Heilprin)
See *Eosurcula pulcherrima* (Heilprin)

Pleurotoma (Pleurotomella) quasites Harris, Kennedy, 1895, p. 103 *nomen nudum*

Pleurotoma (Drillia) quercollis Harris
See *Drillia quercollis* Harris

"Pleurotoma (Bela)" rebeccae Harris **Turridae**

Pleurotoma (Bela) rebeccae Harris, 1895a, p. 64, pl. 5, fig. 15; Harris, 1937, p. 79, pl. 13, fig. 27 typ. error on plate *Raphistoma* [*sic*] (holotype). Classed indefinitely with *Raphitoma*. Not *Pleurotoma rebeccae* Caster, 1938, p. 33 = *P. cabinae* Caster, 1945, p. 319

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 35598 BEG

Pleurotoma regularicostata Whitfield
See *Eopleurotoma ? regularicostata* (Whitfield)

Pleurotoma retefera H[arris], Kennedy, 1895, pp. 116, 123 *retifera* (Gabb), 127 *retifera, nomen nudum*

Pleurotoma retefera Gabb, Vaughan, 1896, p. 38 *nomen nudum*

Pleurotoma (Eucheliodon) reticulatoides Harris
See *Scobinella reticulatoides* (Harris)

Pleurotoma (Raphitoma) rignana de Gregorio
See *Surculoma tabulata rignana* (de Gregorio)

Pleurotoma roscoei Harris
See cf. *Sullivania roscoei* (Harris)

Pleurotoma rugatina (Conrad) *nomen nudum*
See *Eopleurotoma rugatina* Harris

Pleurotoma rugosa I. Lea
See *Eopleurotoma rugosa* (I. Lea)

Pleurotoma sancti-mauritii Vaughan
See *Eosurcula sanctimauritii* (Vaughan)

Pleurotoma sayi I. Lea
See *Eopleurotoma sayi* (I. Lea)

Pleurotoma servatoidea Harris
See *Surculoma ? servatoidea* (Harris)

Pleurotoma shaleri Vaughan
See *Lyrosurcula shaleri* (Vaughan)

"Pleurotoma" sigma (Harris) **Turridae**

Pleurotomella sigma Harris, 1899a, p. 23, pl. 3, fig. 2; Casey, 1904, p. 163; Brann and Kent, 1960, p. 719

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 313 PRI

Pleurotoma silicata Aldrich
See *Hemisurcula silicata* (Aldrich)

Pleurotoma sipha (Aldrich)
See *Fusitoma sipha* (Aldrich)

Pleurotoma (Drillia) solitariuscula de Gregorio
See *Drillia solitariuscula* de Gregorio

Pleurotoma stantoni Vaughan
See *Surculoma stantoni* (Vaughan)

Pleurotoma (Pleuroliria ?) subdeviata de Gregorio
See *Pleuroliria subdeviata* (de Gregorio)

Pleurotoma subequalis Conrad
See *Surculoma (Volutapex) subequalis* (Conrad)

Pleurotoma (Pleuroliria) supramirifica de Gregorio
See *Pleuroliria supramirifica* de Gregorio

Pleurotoma surculitiformis Whitfield
See *Surculites annosus* Conrad

Pleurotoma (Drillia) surculopsis de Gregorio
See *Drillia surculopsis* de Gregorio

Pleurotoma tabulata Conrad
See *Surculoma tabulata* (Conrad)

Pleurotoma (Surcula) taltibia de Gregorio
See *Surcula taltibia* de Gregorio

Pleurotoma terebralis Lamarck, Aldrich, 1886; Harris, 1899a. Not Lamarck, 1804a, p. 266
See cf. *Ancistrosyrinx greggi* (Harris), 1937 in part

Pleurotoma terebralis Lamarck "var." Harris, 1899a
See "*Turris*" sp.

"*Pleurotoma terebralis* Lam. var. *carinata* Conr.", Meyer, 1885b, p. 72 "Vicksburgian species"—from "Wood's Bluff, Ala." *nomen nudum*

Pleurotoma terebriformis Meyer
See *Trypanotoma terebriformis* (Meyer)

Pleurotoma (Drillia) texacona Harris
See *Eodrillia texana* (Conrad)

Pleurotoma (Drillia) texanopsis Harris
See *Eodrillia texanopsis* (Harris)

Pleurotoma (Pleurofusia) tiprapa de Gregorio
See *Eodrillia lonsdalii* (I. Lea)

Pleurotoma (Pleuroliria) tizis de Gregorio
See *Pleuroliria tizis* de Gregorio

Pleurotoma tombigbeensis Aldrich
See *Sullivania tombigbeensis* (Aldrich)

Pleurotoma torticosta Conrad, App. *in* Morton, 1834, p. 4; d'Orbigny, 1850, p. 360 *nomen nudum*

Pleurotoma tuomeyi Aldrich
See *Eosurcula tuomeyi* (Aldrich)

"Pleurotoma (Clavatula)" tupis de Gregorio **Turridae**

Pleurotoma (Clavatula) tupis de Gregorio, 1890, p. 28, pl. 2, fig. 1
Eopleurotoma tupis (de Gregorio), Casey, 1904, p. 158 under *gemmata*
"*Pleurotoma (Clavatula) tupis*" de Gregorio, Harris, 1937, p. 38, pl. 7, fig. 8 holotype

Range.—Middle Eocene, Gosport sd. (supposedly type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type) supposedly

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

"Pleurotoma" tysoni Clark and Martin **Turridae**
Pleurotoma tysoni Clark and Martin, 1901, p. 126, pl. 20, fig. 9

Range.—Paleocene. Aquia fm. (type)
Locality.—MD.: *Charles Co.*, 1 mi. SE. of Mason Springs (type)
Type.—Holotype, USNM

Pleurotoma vaughani Harris
See *Lyrosurcula vaughani* (Harris)

Pleurotoma vaughani Harris, Harris, 1897a, "var."
See *Lyrosurcula sylvaerupis* (Harris)

Pleurotoma vaughani sylvaerupis Harris
See *Lyrosurcula sylvaerupis* (Harris)

Pleurotoma veatchi Harris
See cf. *Eopleurotoma veatchi* (Harris)

Pleurotoma venusta Heilprin, 1880. Not I. Lea, 1833
See *Sullivania perexilis* (Aldrich)

Pleurotoma Volgeri Philippi, Meyer, 1884. Not Philippi, 1846
See cf. *Ancistrocyrinx bella* (Conrad)
See also *Cochlespira engonata* Conrad
See also cf. *Ancistrosyrinx greggi* (Harris)

"Pleurotoma" sp. **Turridae**
Pleurotoma (Cochlespira) cristata Conrad, Heilprin, 1881, p. 365; Aldrich, 1886, p. 52. Not Conrad, 1848a, p. 115 = Oligocene
Pleurotoma terebralis Lamarck "var.", Harris, 1899a, p. 19 in part Woods Bluff only

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Unfigured specimens unknown

"Pleurotoma" sp. **Turridae**
Pleurotoma sp. Harris, 1896, p. 78, pl. 7, fig. 14; Brann and Kent, 1960, p. 718
Not *Pleurotoma langdoni* (Aldrich), Harris, 1899a, p. 17

Range.—Paleocene. Naheola fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Dale's Branch, near Oak Hill
Type.—Figured specimen, No. 91 PRI

"Pleurotoma" sp. **Turridae**
Pleurotoma (Surcula) ostrarupis Harris, 1896, p. 78 in part Ala.; Harris, 1897a, p. 480, pl. 23, fig. 8 not fig. 6 as in text
Coronia ostrarupis (Harris), Gardner, 1935, p. 316 in part

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Cr. fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec 12, T. 12 N., R. 6 E., Alabama R.; 1 mi. W. of Oak Hill
Type.—Figured specimen ANSP

"Pleurotomaria" brittoni Whitfield **Pleurotomariidae**

Pleurotomaria Brittoni Whitfield, 1892, p. 188, pl. 23, figs. 7-9; Whitfield, 1899, p. 173; Weller, 1907, p. 667, pl. 75, figs. 10-12 copies Whitfield

Range.—Lower Eocene. Manasquan fm. (type)
Locality.—N.J.: *Monmouth Co.*, Farmingdale (type)
Type.—Holotype, No. 7467 State Mus., Trenton, N.J.

"Pleurotomaria" hanoverensis Kellum **Pleurotomariidae**

Pleurotomaria hanoverensis Kellum, 1926, p. 24, pl. 4, figs. 1, 2

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington (type)
Type.—Holotype, No. 353226 USNM

"Pleurotomaria" nixa (Tuomey) **Pleurotomariidae**

Trochus nixus Tuomey, 1853, p. 193
Pleurotomaria nixa (Tuomey), Dall, 1892, p. 423; Brown and Pilsbry, 1912, p. 152
Cf. *Pleurotomaria* sp. a Kellum, 1926, p. 25, pl. 4, fig. 3

Range.—Cretaceous mixed with Eocene. Near Wilmington, N.C., Cretaceous is in contact with Tertiary. (Stanton, 1891, pp. 333, 334; Stephenson, 1923, p. 192; Kellum, 1926, p. 3). Upper Eocene. Castle Hayne ls., Jackson gr. (Kellum)
Localities.—N.C.: *New Hanover Co.*, Wilmington (type); quarry 1½ mi. E. of Wilmington
Type.—Unknown. Figured specimen Kellum, No. 353288 USNM

"Pleurotomaria" perlata Conrad **Pleurotomariidae**

Pleurotomaria perlata Conrad, 1865e, p. 213, pl. 21, fig. 7; Conrad, 1865f, p. 73; Conrad, 1866a, p. 13; Conrad, 1868, p. 732; Dall, 1892, p. 423
Leptomaria (?) *perlata* (Conrad), Whitfield, 1892, p. 232, pl. 35, figs. 1-4; Whitfield, 1899, p. 171

Because this form is obscurely defined and the type is missing the generic determination can only be left in a meaningless term. *Pleurotomaria* is a Jurassic-Lower Cretaceous genus as are also its close allies. We cannot place this species in a Cenozoic genus with certainty.

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, missing ANSP Moore, 1962, p. 86; not at State Museum, Trenton, 1964

"Pleurotomaria" ? tintonensis Whitfield **Pleurotomariidae**

Pleurotomaria ? tintonensis Whitfield, 1892, p. 178, pl. 22, figs. 6-9; Whitfield, 1899, p. 174

Range.—Paleocene. Hornerstown fm. (type)
Locality.—N.J.: *Monmouth Co.*, Tinton Falls ? (type)
Type.—Holotype, No. 10682G AMNH

Pleurotomaria sp. a
See "*Pleurotomaria*" *nixa* (Tuomey)

"Pleurotomaria" sp. b **Pleurotomariidae**

Pleurotomaria sp. b Kellum, 1926, p. 25, pl. 4, fig. 4

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.,* Wilmington
Type.—Figured specimen No. 353289 USNM

"Pleurotomaria" sp. **Pleurotomariidae**

Pleurotomaria ? sp. Aldrich, 1894b, p. 247; Harris, 1896, p. 121, pl. 12, figs. 25, 25a in quotes

Range.—Paleocene. Upper Midway gr.
Locality.—ALA.: *Wilcox Co.,* Allenton
Type.—Figured specimen not GSATC (originally State Mus., Tuscaloosa, Ala.)

Pleurotomella anacona Harris
See *Coronia anacona* (Harris)

Pleurotomella bellistriata Clark
See cf. *Pseudotoma bellistriata* (Clark)

Pleurotomella quasites Harris
See *Pleurotoma (Pleurotomella) quasites* Harris *nomen nudum*

Pleurotomella sigma Harris
See *"Pleurotoma" sigma* (Harris)

Pleurotomella veatchi Harris **Turridae**

Pleurotomella veatchi Harris, 1899b, p. 305, pl. 54, fig. 2; Brann and Kent, 1960, p. 719

"Pleurotomella veatchi" Harris, Harris, 1937, p. 28 probably *Eopleurotoma*

If this species is transferred to *Eopleurotoma* as indicated by Harris and if *"Pleurotoma" veatchi* Harris, 1899a, is classified as *Eopleurotoma* then this species would require a new name. Because we are not confirming generic names in this instance it is better that a new name is not proposed.

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr.; Pendleton Ferry fm. (type), middle Wilcox [Sabine] gr.
Localities.—TEXAS: *Sabine Co.,* Pendleton [type, designated herein]. LA.: *Natchitoches Par.,* Marthaville
Types.—Syntypes lost prior to 1937. Not listed in Brann and Kent, 1960

Pleurotomella whitfieldi (Aldrich) **Turridae**

Fusus ? *whitfieldi* Aldrich, 1895b, p. 11, pl. 4, fig. 4; Harris, 1899a, p. 40

Pleurotomella whitfieldi (Aldrich), Harris, 1896, p. 76, pl. 7, fig. 8; Brann and Kent, 1960, p. 720

Fusus whitfieldi Aldrich, Casey, 1904, p. 163

Range.—Paleocene. Naheola fm., upper Midway gr. (type). Cf. Lower Eocene. Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Wilcox Co.,* 1 mi. W. of Oak Hill; Matthews Ldg., Alabama R. (type); Cf. *Monroe Co.,* Greggs Ldg., Alabama R.
Type.—Holotype, No. 638940 USNM

Pleurotrema solariforme Whitfield ?

Architectonica Abbotti Gabb, 1862a, p. 321 in part

Pleurotrema solariformis Whitfield, 1892, p. 180, pl. 22, figs. 10-14; Whitfield, 1899, p. 174; Johnson, 1905, p. 19; Weller, 1907, p. 667, pl. 75, figs. 13, 14

Range.—Lower Eocene. Vincentown fm. (type)

Locality.—N.J.: Timber Cr. boundary between Gloucester and Camden Cos. (type)

Types.—Syntype, No. 8992/1 AMNH (pl. 22, figs. 10, 11); syntype, No. 18775 ANSP (pl. 22, figs. 12, 13); syntype not found Rutgers, 1965

Pliciscala (Cylindriscala) albitesta (Meyer and Aldrich) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria (Opalia) albitesta Meyer and Aldrich, 1886, p. 41, pl. 2, fig. 7

Pliciscala (Cylindriscala) albitesta (Meyer and Aldrich), Palmer, 1937, p. 109, pl. 8, fig. 17 copy holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Newton Co.*, Newton (type)

Type.—Holotype, No. 638730 USNM

Pliciscala cribrum (Cooke) **Scalariidae** (Scalidae, Epitoniidae)

Epitonium cribrum Cooke, 1926b, p. 137, fig. 11

Pliciscala cribrum (Cooke), Harris and Palmer, 1947, p. 244, pl. 28, fig. 13 copy type

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 353947 USNM

Pliciscala pearlensis (Meyer) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria pearlensis Meyer, 1887a, p. 4, pl. 1, fig. 9

Pliciscala pearlensis (Meyer), Cossmann, 1912b, p. 83; Harris and Palmer, 1947, p. 243, pl. 28, fig. 15 copy Meyer, fig. 18; Brann and Kent, 1960, p. 723

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638867 USNM

Pliconacca arata (Gabb)
See *Polinices aratus* (Gabb)

Polinices aratus (Gabb) **Naticidae**

Neverita arata Gabb, 1860d, p. 384, pl. 67, fig. 35; Conrad, 1865a, p. 27; Conrad, 1866a, p. 15; Heilprin, 1891a, p. 399 under *Natica*

Neverita gibbosa Dall, 1892, p. 368 in part

Natica (Polynices) arata (Gabb), Cossmann, 1925b, p. 131, pl. 4, figs. 8, 9

Polinices aratus (Gabb), Palmer, 1937, p. 123, pl. 13, figs. 5, 10, 12, 15, 17, 18, pl. 80, fig. 15 holotype as *arata;* Harris and Palmer, 1947, p. 249; Brann and Kent, 1960, pp. 724, 725

Pliconacca arata (Gabb), Glibert, 1963a, p. 84
Polinices arata (Gabb), Perrilliat Montoya, 1963, p. 14, pl. 12, fig. 6

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Weches fm., middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: "Caldwell Co." (type, Gabb label ANSP) = *Burleson Co.*, Stone City Bluff, Brazos R.; "Wheelock" (Gabb) = *Robertson Co.*, Town Branch of Cedar Cr., near Wheelock. See Stenzel, Krause, and Twining, 1957, p. 11; *Burleson Co.*, big branch of Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City; *Bastrop Co.*, S. bank Colorado R. about 200 yds. W. of bridge, Smithville; *Sabine Co.*, Sabine R. opposite SE. ¼ sec. 35, T. 5 N., R. 13 W. Sabine Par. La., Outcrops Nos. 21, 22 (Veatch, 1902, p. 129). ALA.: *Monroe Co.*, base of Claiborne Bluff, Alabama R.; Lisbon Bluff, Alabama R. LA.: *Sabine Par.*, Columbus; Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; well at Monroe; Brewer's 1200 ft. Monroe. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; about 2 mi S. of Hickory; about 3 mi. E. of Newton; 2 mi. NE. of Newton; *Clarke Co.*, about 8 mi. E. of Enterprise; Wautubbee

Type.—Holotype, No. 13295 ANSP

Polinices eminulus (Conrad) **Naticidae**

Natica eminula Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 102; d'Orbigny, 1850, p. 346; not Conrad, 1857, p. 141 [as *lemulus sic*] = "*Natica*" sp.; Harris, 1895b, p. 18; Shimer and Shrock, 1944, p. 485
Natica parva I. Lea, 1833, p. 106, pl. 4, fig. 89; H. C. Lea, 1849, p. 102; de Gregorio, 1890, p. 149, pl. 15, fig. 3 copy I. Lea, not figs 1a, b, 2 *(Lunatia)*; Dall, 1892, p. 371 *(Lunatia)*; Cossmann, 1893, p. 26; Harris, 1895b, p. 33 = "var." of *N. eminula*
Lunatia eminula (Conrad), Conrad, 1865a, p. 26; Conrad, 1866a, p. 15
Polynices (Lunatia) parva (I. Lea), Dall, 1892, p. 371
Not *Natica eminula* Conrad [var.] Harris, 1896, p. 119, pl. 12, fig. 20; not Brann and Kent, 1960, p. 581.
Natica (Lunatia) parva (I. Lea), Cossmann, 1925b, p. 139
Not *Polinices harrisi* Gardner, 1935, p. 307, pl. 26, fig. 15
Polinices eminulus (Conrad), Palmer, 1937, p. 121 in part, pl. 12, figs. 2, 4, 9, 13; pl. 80, fig. 14 holotype *Natica parva* I. Lea; cf. Harris and Palmer, 1947, pp. 248, 250, pl. 29, figs. 12-15; Brann and Kent, 1960, pp. 725, 726
Euspira eminula (Conrad), Glibert, 1963a, p. 88

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr. Cf. upper Eocene.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. ARK.: *St. Francis Co.*, Crow Cr., about 2 mi. E. of Forrest City; *Jefferson Co.*, White Bluff, W. and S. bank of Arkansas R.

Types.—Lectotype and 4 remaining specimens, No. 15172 ANSP Moore, 1962, p. 58. Holotype ? *Natica parva* I. Lea No. 5518 ANSP

Polinices eminulus (Conrad) variation **Naticidae**

Natica eminula Conrad, Harris, 1896, p. 119, pl. 12, fig. 20; Brann and Kent, 1960, p. 581. Not Conrad, 1833c, p. 46

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.; Naheola fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R.; 1 mi. W. Oak Hill; *Choctaw Co.*, Naheola Ldg., Tombigbee R.

Type.—Figured specimen lost PRI

Polinices harrisii Gardner
See *Polinices* ? *julianna* Palmer and Brann, new name

Polinices ? julianna Palmer and Brann, new name **Naticidae**

Not *Natica limula* Conrad "var." Harris, 1899a, p. 88, pl. 11, fig. 22 as in Gardner [see *Euspira marylandica* (Conrad) variation]

Polinices harrisii Gardner, 1935, p. 306, pl. 26, fig. 15; Le Blanc, 1942^{+}, pp. 91-93 in part, pl. 12, fig. 20 only. Not *P. harrisi* Olsson, 1928, p. 60

? *Polinices harrisii* Gardner, Palmer, 1937, p. 123; Gardner, 1945, p. 173 [no?], pl. 14, fig. 13 holotype

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.; Wills Point fm., upper Midway gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R. about ½-¾ mi. above mouth Dry Creek (USGS Sta. 12112) (type); Colorado R. about 4 mi. below Webberville; *Bexar Co.*, Jett Crossing, Medina R. on Palo Alto road. LA.: *Natchitoches Par.*, road cut in NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W. For further localities in Texas and La. see Le Blanc Midway localities, p. 93

Type.—Holotype, No. 373060 USNM

Polinices onustus Whitfield **Naticidae**

Natica (Polinices) onusta Whitfield, 1865, p. 264; Harris, 1896, p. 118, pl. 12, fig. 17; Whitfield, 1899, p. 172 *(Polynices)*; Brann and Kent, 1960, p. 583

Natica (Neverita) onusta Whitfield, Dall, 1892, p. 368; Harris, 1899a, p. 89 in part, not pl. 11, figs. 24-26; Brann and Kent, 1960, p. 583

Neverita onusta (Whitfield), Gardner, 1945, p. 173, pl. 14, fig. 14 holotype

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, "six miles below Prairie Bluff" (type) = Matthews Ldg. *fide* Harris, 1896, p. 29; Graveyard Hill; Yellow Bluff

Type.—Holotype, No. UC 24518 CNHM

Polinices weisbordi Palmer **Naticidae**

Polinices weisbordi Palmer, 1937, p. 122, pl. 12, figs. 7, 10; Harris and Palmer, 1947, p. 248, pl. 29, figs. 7-11; Brann and Kent, 1960, p. 729

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson; Town Cr., Jackson; Jackson. ARK.: *Cleveland Co.*, Vince Ferry, Saline R., about 18 mi. SE. of Rison. LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); lower and upper beds Montgomery Ldg., Red R.; about ½ mi. below ferry Montgomery, Red R.; *Caldwell Par.*, ¾ and ½ mi. below Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.; stream ½-1 mi. back of Bunker Hill; Myatt [Wyant] Bluff, Ouachita R.

Types.—Holotype, No. 2785; paratype, No. 2784 PRI

Polinices sp. **Naticidae**

Natica onusta Whitfield, Aldrich, 1886, p. 56. Not Whitfield, 1865, p. 264

Neverita onusta (Whitfield), Dall, 1892, p. 368 in part

Natica (Neverita) onusta Whitfield, Harris, 1899a, p. 89 in part, pl. 11, figs. 24-26; Brann and Kent, 1960, p. 583

Range.—Lower Eocene. Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.; Bells Ldg., Alabama R.; *Marengo Co.*, Nanafalia Ldg., Tombigbee R.; *Clarke Co.*, Woods Bluff, Tombigbee R.

Types.—Figured specimens, No. 334, 334a PRI (figs. 25, 26 lost)

Polygona stephensoni Gardner
See *Latirus ? stephensoni* Gardner

Polygona moorei (Gabb)
See *Latirus moorei* (Gabb)

Polynices see *Polinices*

Polynices (Neverita) apertus (Whitfield)
See *Natica* cf. *aperta* Whitfield

Polynices (Lunatia) minimus (I. Lea), Dall, 1892 in part
See *Euspira leana* (Palmer)

Polynices ocalanus Dall, 1892
See *Crommium ocalanum* (Dall)

Polynices (Lunatia) parvus (I. Lea)
See *Polinices eminulus* (Conrad)

Polynices (Amauropsis) perovatus (Conrad)
See *Crommium perovatum* (Conrad)

Polynices (Amauropsis) perovatus (Conrad), Dall, 1892 in part, Ocala only
See under *Crommium ocalanum* (Dall)

Polynices (Lunatia) perspectus (Whitfield)
See *Euspira perspecta* (Whitfield)

Porcellana crassilabra (Conrad)
See *Cryptospira (Euryentome) silabra* (Palmer)

Porcellana larvata (Conrad)
See *Bullata larvata* (Conrad)

Potamides Alabamiensis Whitfield
See *Mesalia alabamiensis* (Whitfield)

? Potamides alabamiensis Whitfield, Harris, 1894b. Not Whitfield, 1865
See *Mesalia pumila* (Gabb)

Potamides alabamiensis Whitfield, Stephen and Crider, 1916. Not Whitfield, 1865
See *Mesalia* spp.

Potamides (Telescopium) chamberlaini Johnson
See *Cerithiella chamberlaini* (Johnson)

"Potamides" fulvarupis Harris **Potamididae**

Potamides fulvarupis Harris, 1899a, p. 71, pl. 9, fig. 4

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.

Localities.—ALA.: *Wilcox Co.*, Yellow Bluff, Alabama R. (type); *Monroe Co.*, Bells Ldg., Alabama R.

Type.—Holotype, No. 8705 ANSP

Potamides (Cerithidea) inopinatus Cossmann, 1906b, p. 114 *nomen nudum*

Potamides ? tombigbeensis (Aldrich)
See *"Cerithium" tombigbeense* Aldrich

Priscoficus arguta (Clark) **Ficidae**

Fulgur argutus Clark, 1895, p. 4 *nomen nudum*
Fulguroficus argutus Clark, 1896, p. 68, pl. 12, figs. 1a, 1b; Clark and Martin, 1901, p. 142, pl. 24, figs. 3, 3a holotype
Fulguroficus triserialis (Whitfield), Harris, 1899a, p. 67 in part
Priscoficus (Priscoficus) argutus (Clark), Wrigley, 1929, pp. 246, 249; Shimer and Shrock, 1944, p. 500, pl. 205, figs. 18, 19 copies Clark and Martin

Range.—Paleocene. Aquia fm. (type), Lower Eocene. Nanjemoy fm.

Localities.—VA.: *King George Co.*, Potomac Cr. (type); 2 mi. below Potomac Creek; Woodstock. MD.: *Prince Georges Co.*, Upper Marlboro Pomonkey Neck [Pamunkey Neck, Clark]

Type.—Holotype, USNM

Priscoficus (Fulguroficus) juvenis (Whitfield) **Ficidae**

Pyrula juvenis Whitfield, 1865, p. 259; Aldrich, 1886, pp. 25 in part, 56, not p. 59, pl. 6, fig. 8 type; Harris, 1896, p. 102 in part, not pl. 10, figs. 5, 6; Whitfield, 1899, p. 174; Deussen, 1924, pl. 15, figs. 3, 4; Brann and Kent, 1960, p. 762
Pyrula multangulata Heilprin, 1881, p. 374, pl. 20, fig. 2
Pyrula tricostata Deshayes, Heilprin, 1881, p. 374, pl. 20, fig. 6; Heilprin, 1884b, p. 91. Not *P. tricostata* Deshayes, 1835a, p. 584
Ficula juvenis (Whitfield), de Gregorio, 1890, p. 101, pl. 7, fig. 54 copy Aldrich
Ficula tricostata (Deshayes), de Gregorio, 1890, p. 101 in part
Fusoficula juvenis (Whitfield), Harris, 1899a, p. 66, pl. 8, fig. 15; Harris, 1899b, p. 307, pl. 55, figs. 2, 3; Clark and Martin, 1901, p. 143 in part, not pl. 24, figs. 4, 4a; Brann and Kent, 1960, p. 398

Pirula juvenis Whitfield, Cossmann, 1903b, p. 142
Ficopsis juvenis (Whitfield), Stewart, 1927, p. 375
Fulguroficus juvenis (Whitfield), Wrigley, 1929, pp. 247, 249
Ficus juvenis (Whitfield), Gardner, 1935, p. 263
Priscoficus (Fulguroficus) juvenis (Whitfield), Gardner, 1939a, p. 31 in part, pl. 7, fig. 17 syntype; Le Blanc, 1942$^+$, p. 113, pl. 14, figs. 9, 10; Shimer and Shrock, 1944, p. 500 in part, not pl. 205, figs. 13, 14 copies Clark and Martin

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: "six miles above Claiborne . . . west side of river" Whitfield, (type); *Monroe Co.*, Greggs Ldg., Alabama R., possible type, Gardner; *Clarke Co.*, Cave Branch, Bashi Cr.; Woods Bluff, Tombigbee R. [*P. multangulata* (Heilprin)]. TEXAS: *Sabine Co.*, Sabinetown Ferry Ldg., Sabine R. For further localities see Le Blanc, 1942$^+$
Types.—Syntypes, No. UC 24503 CNHM

Priscoficus (Fulguroficus) juvenis Whitfield, Paleocene of authors
See *Priscoficus (Fulguroficus)* spp.

Priscoficus Smithii (Sowerby), Conrad, 1866. Not *Murex Smithii* James de C. Sowerby, 1827, p. 151
See *Papillina conradi* (Whitfield)

Priscoficus triserialis (Whitfield) **Ficidae**

Fulgur triserialis Whitfield, 1865, p. 260; Aldrich, 1886, p. 24, pl. 1, fig. 23b; de Gregorio, 1890, p. 100, pl. 7, fig. 51 copy Aldrich; Whitfield, 1899, p. 170
Pyrula (Pyrificus) Smithii J. de C. Sowerby *in* Fitton, Aldrich, 1885b, p. 154, pl. 3, fig. 23b. Not James de Carle Sowerby, 1835a, p. 336
Cassidaria triserialis (Whitfield), Cossmann, 1893, p. 32
Fulguroficus triserialis (Whitfield), Harris, 1899a, p. 67 in part, pl. 8, fig. 17 Brann and Kent, 1960, p. 395
Priscoficus triserialis (Whitfield), Stewart, 1927, p. 380; Wrigley, 1929, pp. 246, 249; Gardner, 1939a, p. 29, pl. 7, fig. 19 holotype

Range.—Lower Eocene. Tuscahoma fm. (type), middle Wilcox [Sabine] gr.

Localities.—ALA.: "nine miles below Prairie Bluff" Whitfield type probably = *Monroe Co.*, Greggs Ldg., Alabama R. *fide* Harris, 1899a, p. 67; Bells Ldg., Alabama R.

Type.—Holotype, No. UC 24515 CNHM

Priscoficus (Fulguroficus) spp. **Ficidae**

Pyrula juvenis Whitfield, Aldrich, 1886, p. 25 in part, p. 59; Harris, 1896, p. 102 in part, pl. 10, figs. 5, 6; Brann and Kent, 1960, p. 762. Not *Pyrula juvenis* Whitfield, 1865
Ficula tricostata (Deshayes), de Gregorio, 1890, p. 101 in part. Not *Pyrula tricostata* Deshayes, 1835a, p. 584
Pyrula sp. Harris, 1894b, p. 46, pl. 3, fig. 3
Fusoficula juvenis (Whitfield), Clark and Martin, 1901, p. 143 in part, pl. 24, figs. 4, 4a

Priscoficus (Fulguroficus) juvenis Whitfield, Shimer and Shrock, 1944, p. 500 in part, pl. 205, figs. 13, 14 copies Clark and Martin

Range.—Paleocene. Aquia fm.; Matthews Ldg. beds, uppermost Porters Cr. fm., upper Midway gr.; Midway of Ark.

Localities.—ARK.: *Pulaski Co.*, near confluence of Fourche Cr. and Crooked Cr.; Olesons switch a few miles SW. Little Rock. ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R.; Prairie Cr.; 1 mi. W. of Oak Hill; ½ mi. W. of Graveyard hill. VA.: *King George Co.*, 2 mi. below Potomac Cr.

Types.—Figured specimen (Harris, 1896), No. 24536 PRI. Figured specimen (Clark and Martin, 1901) USNM

Proto cathedralis bellifera (Aldrich)
See *Turritella bellifera* Aldrich

Proto vetusta (Conrad)
See *Mesalia vetusta* (Conrad)

Protosurcula gabbii (Conrad) **Turridae**

Surcula Gabbii Conrad, 1865a, p. 18; Conrad, 1865c, p. 142, pl. 11, fig. 5; Conrad, 1866a, p. 18; Heilprin, 1891a, p. 394; Aldrich, 1897a, p. 5, pl. 4, fig. 2; Trowbridge, 1923, pp. 95, 96; cf. Stenzel *in* Renick and Stenzel, 1931, pp. 93, 100, pl. 6, fig. 11

Pleurotoma platysoma Heilprin, 1880, p. 150, fig. 3; Heilprin, 1891a, p. 394; Aldrich, 1897b, p. 5; Schuchert, *et al.*, 1905, p. 523

"*Pleurotoma alveata*" Conrad in collection ANSP (labelled specimen); ? Heilprin, 1891a, p. 394

Pleurotoma (Surcula) gabbi Conrad, Harris, 1895a, p. 56, pl. 4, fig. 5

Pleurotoma gabbi (Conrad), Vaughan, 1896, p. 38; Dumble, 1920, pp. 88, 91, 92, 95-100, 106

Protosurcula gabbi (Conrad), Casey, 1904, p. 145; Cossmann, 1906b, p. 221, pl. 14, fig. 22; Gardner, 1945, p. 234, pl. 25, figs. 14, 15 Mexican

Turricula (Protosurcula emen'd) *gabbi* (Conrad), Harris, 1937, p. 48, pl. 9, figs. 26-30; Brann and Kent, 1960, p. 891

Protosurcula platysoma (Heilprin), Gardner, 1945, p. 235

Turricula (Protosurcula) gabbi (Conrad), Glibert, 1960b, p. 28

Range.—Eocene, horizon not definite

Localities.—TEXAS: (Conrad), Brazos R. locality not definite see Gardner, 1945; *Atacosa Co. (P. platysoma* Heilprin); cf. *Bastrop Co.*, Smithville, Colorado R. Cf. LA.: *Sabine Par.*, Sabine R., near Columbus. MEXICO: Nuevo Leon (Gardner)

Types.—Holotype *Surcula gabbii*, No. 13240 ANSP, Moore, 1962, p. 62. Holotype, *Pleurotoma platysoma* Heilprin, No. 8916 USNM

Protosurcula platysoma (Heilprin)
See *Protosurcula gabbii* (Conrad)

Protosurcula plenta (Aldrich and Harris)
See *Turricula plenta* (Aldrich and Harris)

Protosurcula tenuirostris Casey **Turridae**

Protosurcula tenuirostris Casey, 1904, p. 145; Gardner, 1945, p. 234

"*Protosurcula tenuirostris*" Casey, Harris, 1937, p. 49, pl. 9, fig. 31 [expl. of pl. *Protosurcula gabbi* var.]

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R.

Type.—Holotype, No. 494360 USNM

Protosurcula sp. **Turridae**

Surcula n. sp. *aff. gabbi* Conrad, Stenzel *in* Renick and Stenzel, 1931, p. 106, pl. 6, fig. 10

Range.—Middle Eocene. Weches fm., middle Claiborne gr.

Locality.—TEXAS: *Robertson Co.*, Buck McBride's 134-acre tract, Jose Maria Viesca Survey

Type.—Figured specimen, No. 21295 BEG

Prunum (Leptegouana) columba (I. Lea) **Marginellidae**

Marginella columba I. Lea, 1833, p. 177, pl. 6, fig. 187; Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 45, pl. 16, fig. 16 (Harris reprint, 1893, p. 101, pl. 16, fig. 16); H. C. Lea, 1849, p. 101; d'Orbigny, 1850, p. 351; Redfield, 1871, p. 262; Dall, 1890, p. 56; Harris, 1895b, p. 12; Palmer, 1937, p. 419 section *Leptegouana*, pl. 67, figs. 1, 6, 15, 20; pl. 89, fig. 7 type, fig. 14 *M. incurva* I. Lea; pl. 90, fig. 16 *M. crassilabra* I. Lea not Conrad; Brann and Kent, 1960, p. 528

Marginella crassilabra I. Lea, 1833, p. 177, pl. 6, fig. 188; H. C. Lea, 1849, p. 101; Dall, 1890, p. 57; Cossmann, 1893, p. 39 in part; Harris, 1895b, p. 14. Not *M. crassilabra* Bory de St. Vincent, 1827, Encylopédique Méthodique, "Vers i, p. 167" [tome] iii, pl. 377, fig. 7 as *crenilabra* [*fide* Tomlin, 1917, p. 260]; not Conrad, 1833b, p. 33; not G. B. Sowerby, I, 1846b, p. 96; not Reeve, 1865, *Marginella*, pl. 18, fig. 92

Marginella incurva I. Lea, 1833, p. 179, pl. 6, fig. 192; H. C. Lea, 1849, p. 101; Redfield, 1871, p. 264; de Gregorio, 1890, p. 62, pl. 4, figs. 45, 46, fig. 47 copy I. Lea; Dall, 1890, p. 57; Harris, 1895b, p. 23

Marginella humerosa Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 45, pl. 16, fig. 14 (Harris, reprint 1893, p. 101, pl. 16, fig. 14); d'Orbigny, 1850, p. 351; Conrad, 1866a, p. 16; Redfield, 1871, p. 264; Dall, 1890, p. 57; Harris, 1895b, p. 22

Marginella americana Conrad, 1845, p. 86, pl. 49, fig. 12; Redfield, 1871, p. 261; Dall, 1890, pp. 52, 56 "*M. columba* Lea"

Marginella (Cryptospira) columba I. Lea, de Gregorio, 1890, p. 60, pl. 4, fig. 25 copy I. Lea, fig. 49 copy Conrad, 1835a, pl. 16, fig. 16

Marginella (Cryptospira) humerosa Conrad, de Gregorio, 1890, p. 61, pl. 4, fig. 26 copy *M. crassilabra* I. Lea, fig. 27 copy Conrad, figs. 28-30

Prunum (Leptegouana) columba (I. Lea), Glibert, 1960a, p. 87

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotype, No. 5889 ANSP. Holotype ? *M. crassilabra* I. Lea, No. 5890 ANSP. Holotype *M. incurva* I. Lea, No. 5907 ANSP. Syntypes (7) *M. humerosa* Conrad, No. 14956 ANSP, Moore, 1962, p. 64

Psephaea (Eopsephaea) florencis (Harris)
See cf. *Volutilithes florencis* (Harris)

Pseudoaluca clarki Palmer **Cerithiidae**
Pseudoaluca clarki Palmer *in* Richards and Palmer, 1953, p. 21, pl. 8, figs. 5, 12

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of north limits of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Type.—Holotype, No. I-7641 Fla. Geol. Sur.

Pseudocrommium brucei Palmer **Ampullospiridae**
Pseudocrommium brucei Palmer *in* Richards and Palmer, 1953, p. 27, pl. 4, figs. 2-8

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits Gulf Hammock, just SW. State Road 55 SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); ⅛ mi. below Florida Power Corp. Plant, Inglis on right bank Withlacoochee R., SE. ¼ NW. ¼ sec. 3, T. 17 S., R. 16 E.; exposure along Withlacoochee R. at dam Florida Power Corp., SW. ¼ SW. ¼ sec. 8, T. 17 S., R. 17 E; *Citrus Co.*, pit of Dunnellon Phosphate Mining Co., SW. ¼ SE. ¼ sec. 10, T. 18 S., R. 19 E.
Types.—Holotype, No. I-7429; paratypes, No. I-7430-7432, I-7640 Fla. Geol. Sur.

Pseudocrommium occiduum Palmer **Ampullospiridae**
Pseudocrommium occiduum Palmer *in* Richards and Palmer, 1953, p. 28, pl. 4, fig. 1

Range.—Middle Eocene. Avon Park ls. (type), upper Claiborne gr.
Locality.—FLA.: *Levy Co.*, timber road NW. ¼ SW. ¼ sec. 14, T. 14 S., R. 15 E. (type)
Type.—Holotype, No. I-7433 Fla. Geol. Sur.

Pseudodiloma micromphalus (Cossmann)
See *Norrisia (Norrisiella) micromphalus* (Cossmann)

Pseudolathyrus tortilis (Whitfield)
See *Latirus tortilis* (Whitfield)

Pseudoliva carinata Conrad *in* Gabb
See *Pseudoliva vetusta carinata* Conrad *in* Gabb

Pseudoliva elliptica Whitfield
See *Buccinanops ellipticum* (Whitfield)

Pseudoliva fusiformis Conrad *in* Gabb
See *Pseudoliva vetusta* (Conrad) *forma* middle Eocene

Pseudoliva hatchetigbeensis (Aldrich)
See *Cornulina hatchetigbeensis* (Aldrich)

Pseudoliva linosa Conrad *in* Gabb
See *Pseudoliva vetusta linosa* Conrad *in* Gabb

Pseudoliva nanafaliaensis Aldrich **Buccinidae**

Pseudoliva nanafaliaensis Aldrich, 1931, p. 8, pl. 6, fig. 2

Range.—Lower Eocene. Nanafala fm. (type), lower Wilcox [Sabine] gr.

Locality.—ALA.: *Marengo Co.*, Nanafalia Ldg., Tombigbee R. (type)

Type.—Holotype, No. 41 GSATC

Pseudoliva ostrarupis Harris **Bccinidae**

Pseudoliva ostrarupis Harris, 1895a, p. 75, pl. 8, figs. 3, 3a; Harris, 1896, p. 99, pl. 9, figs. 18, 19; Cossmann, 1901b, p. 192

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) [Gardner, 1935, p. 54]

Locality.—TEXAS: *Milam Co.*, Smileys Bluff, Brazos R., 2 mi. above mouth of Pond Creek (type) [Gardner, 1935, p. 54]

Type.—Holotype missing Bur. Ec. Geol. 1964

Pseudoliva ostrarupis pauper Harris **Buccinidae**

Pseudoliva ostrarupis pauper Harris, 1895a, p. 76, pl. 8, fig. 4; Harris, 1896, p. 99, pl. 9, fig. 20

Range.—Lower Eocene. Lower Wilcox [Sabine] gr. (type) [Gardner, 1935, p. 54]

Locality.—TEXAS: *Milam Co.*, Smileys Bluff, Brazos R., 2 mi. above mouth of Pond Creek (type) [Gardner, 1935, p. 54]

Type.—Holotype, No. 35590 BEG

Pseudoliva perspectiva Conrad *in* Gabb
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Pseudoliva philadelphica (Harris)
See *Cornulina philadelphica* (Harris)

Pseudoliva pyruloides perspectiva Conrad
See *Pseudoliva vetusta perspectiva* Conrad

Pseudoliva scalina Heilprin **Buccinidae**

Pseudoliva scalina Heilprin, 1881, p. 371, pl. 20, fig. 12; Aldrich, 1886, p. 20, pl. 6, fig. 10 type; de Gregorio, 1890, p. 110, pl. 8, fig. 42; Cossmann, 1893, p. 33; Harris, 1896, p. 100 in part, not pl. 9, fig. 21; Harris, 1899a, p. 32, pl. 3, fig. 18; Cossmann, 1901b, p. 192; Gardner, 1935, p. 254; not Brann and Kent, 1960, p. 744

? *Harpa dechordata* White, 1888, p. 136, pl. 13, figs. 7, 8

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type), Tuscaloosa Ldg., Tombigbee R.; *Monroe Co.*, Bells Ldg., Alabama R.; *Marengo Co.*, Nanafalia Ldg., Tombigbee R.

Type.—Holotype, No. 40 GSATC

Pseudoliva scalina Heilprin, Harris, 1896. Not Heilprin, 1881
See *Pseudoliva* sp.

Pseudoliva sulcata (I. Lea)
See *Pseudoliva vetusta* Conrad

Pseudoliva tuberculifera Conrad **Buccinidae**

Pseudoliva tuberculifera Conrad, 1860, p. 294, pl. 47, fig. 27; de Gregorio, 1890, p. 110, pl. 8, fig. 43 copy Conrad; Harris, 1899a, p. 32, pl. 3, fig. 17. Not Cossmann, 1893, p. 33, pl. 2, fig. 13 = young of *P. vetusta* Conrad; Brann and Kent, 1960, p. 744

Sulcobuccinum (Buccinorbis) tuberculifera (Conrad), Conrad, 1865a, p. 22

Pseudoliva (Buccinorbis) tuberculifera Conrad, Conrad, 1866a, p. 17

Sulcobuccinum tuberculifera (Conrad), Palmer, 1927, p. 316 not "Conrad in Gabb"

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—MD.: *Anne Arundel Co.*, South R., N. bank at mouth of Beaver Creek. ALA.: *Monroe Co.*, Bells Ldg. (? type), Alabama R.

Type.—Holotype, Harris, 1899a, p. 32 type mislabelled, not from Claiborne. Missing, Moore, 1962, p. 105

Pseudoliva tuberculifera Conrad, Cossmann, 1893. Not Conrad, 1860
See *Pseudoliva vetusta* (Conrad)

Pseudoliva unicarinata Aldrich **Buccinidae**

Pseudoliva unicarinata Aldrich, 1886, p. 19, pl. 5, fig. 17; de Gregorio, 1890, p. 110, pl. 8, fig. 44; Cossmann, 1893, p. 33 *unicurinata* [*sic*]; Harris, 1896, p. 98, pl. 9, fig. 16; Cossmann, 1901b, p. 192

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E. (type); 1 mi. W. of Oak Hill; *Choctaw Co.*, Naheola Ldg., Tombigbee R.

Type.—Holotype, No. 638754 USNM

Pseudoliva vetusta (Conrad) **Buccinidae**

Monoceros vetusta Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70); Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 37, pl. 15, fig. 3 (Harris reprint, 1893, p. 93, pl. 15, fig. 3); Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 102 *vetustum;* d'Orbigny, 1850, p. 369; Tuomey, 1858, pp. 266, 269, 274; Harris, 1895, p. 48

Monoceros pyruloides I. Lea, 1833, p. 161, pl. 5, fig. 166; H. C. Lea, 1849, p. 101 *pyruloide;* Harris, 1895b, p. 38 = *M. vetusta* Conrad

Monoceros fusiformis I. Lea, 1833, p. 162, pl. 5, fig. 167; H. C. Lea, 1849, p. 101 *fusiforme*. Not *Pseudoliva fusiformis* Conrad *in* Gabb, 1860d, p. 381 = *Pseudoliva vetusta* Conrad *forma*

Monoceros sulcatum I. Lea, 1833, p. 163, pl. 5, fig. 168 [young]; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 44

Acanthina (Gastridium) vetusta (Conrad), Conrad, 1853b, p. 320

Not *Gastridium vetustum* (Conrad), Conrad *in* Wailes, 1854, p. 289, pl. 16 [17], fig. 4 (reprint, 1939, p. 19, pl. 4, fig. 4); Conrad, 1856a, p. 262 (reprint, 1939, p. 8). See *Pseudoliva v. perspectiva*

Sulcobuccinum (Buccinorbis) vetusta (Conrad), Conrad, 1865a, p. 22, p. 190⁺ *Pseudoliva*

Pseudoliva (Buccinorbis) vetusta (Conrad), Conrad, 1866a, p. 17; Wenz, 1943, p. 1268, fig. 3603 copy Palmer

Pseudoliva sulcata (I. Lea), Conrad, 1866a, p. 17

Pseudoliva vetusta (Conrad), de Gregorio, 1890, p. 109 in part, pl. 8, figs. 37, 38, fig. 41 copy Conrad, fig. 47 "var." *pyruloides* I. Lea; Cossmann, 1893, p. 33; Harris, 1895b, p. 48; Harris, 1896, p. 99 in 9; Harris, 1899a, p. 31, pl. 3, fig. 16; Cossmann, 1901b, p. 192; part, not pl. 9, fig. 17; Harris, 1897a, p. 478 in part, not pl. 22, fig. Veatch, 1906, pl. 14, figs. 3, 3a; Deussen, 1924, p. 67, pl. 15, figs. 1, 1a; Trowbridge, 1932, pl. 38, figs. 4, 5 copy Veatch; Palmer, 1937, p. 310 in part, pl. 43, figs. 1, 4-8, 11-14, not figs. 5, 6; Harris and Palmer, 1947, p. 355, pl. 46, figs. 1-6; Brann and Kent, 1960, pp. 744-746; Glibert, 1960a, p. 8; Perrilliat Montoya, 1963, p. 18, pl. 14, fig. 4

Pseudoliva vetusta var. *fusiformis* (I. Lea), de Gregorio, 1890, p. 109, pl. 8, fig. 45, fig. 46 copy I. Lea

Pseudoliva tuberculifera Conrad, Cossmann, 1893, p. 33, pl. 11, fig. 13 young. Not *P. tuberculifera* Conrad, 1860, p. 294, pl. 47, fig. 27

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Cook Mt. and McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.; Moodys Branch fm., lower Jackson gr.

Localities.—ALA.: *Monroe Co.*, base of Claiborne Bluff; sand at Claiborne Bluff (type), Alabama R.; Lisbon Bluff, Alabama R. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg. LA.: *Sabine Par.*, Fisher. TEXAS: *Angelina Co.*, S. side of Angelina R., bank at Marion; H. W. Berryman Place 2½ mi. from Linwood, 11 mi. from Rusk. *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Burleson Co.*, big branch of Cedar Cr. E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City [probably Cedar Creek near Wheelock *Robertson Co.*, *fide* Stenzel pers. com.]. LA.: *Grant Par.*, Montgomery, about ½ mi. below ferry, Red R. MISS.: *Hinds Co.*, Jackson. ARK.: *St Francis Co.*, beneath and below bridge Highway 70, about 2 mi. E. of Forrest City

Types.—Lectotype ANSP Palmer, 1937, p. 313. Not recognized by Moore, 1962. Remaining specimens, Nos. 14226-14228 ANSP Moore, 1962, p. 107. Holotype *Monoceros sulcatum* I. Lea, No. 5836 ANSP. Holotype *M. fusiformis* I. Lea, No. 5831 ANSP. Holotype *M. pyruloides* I. Lea, No. 5830 ANSP

Pseudoliva vetusta (Conrad)

Pseudoliva vetusta Conrad represents a prolific stock in the Paleocene-Eocene producing in each age variations which appear to be *forma* rather than of specific or subspecific value. We have separated references as to horizon to facilitate identification.

Pseudoliva vetusta (Conrad), Aldrich, 1886; Harris, 1896; Brann and Kent, 1960. Not Conrad, 1833c
See *Pseudoliva vetusta* Conrad *forma* (Paleocene)

Pseudoliva vetusta (Conrad), Aldrich, 1886; Harris, 1897a; Harris, 1899a; Harris, 1899b; Palmer, 1937 in part; Le Blanc, 1942; Brann and Kent, 1960. Not Conrad, 1833c
See *Pseudoliva vetusta* Conrad *forma* (lower Eocene)

Pseudoliva vetusta (Conrad), de Gregorio, 1890 in part. Not Conrad, 1833c
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb, 1860d

Pseudoliva vetusta ? (Conrad), Whitfield, 1892. Not Conrad, 1833c
See *Pseudoliva* sp.

Pseudoliva vetusta Conrad forma **Buccinidae**

Pseudoliva fusiformis Conrad *in* Gabb, 1860d, p. 381, pl. 67, fig. 30. Not *Monoceras fusiformis* I. Lea, 1833, p. 162; not Harris, 1895b, p. 20

Sulcobuccinum (Buccinorbis) fusiformis Conrad ms. *in* Gabb, Conrad, 1865a, p. 21

Pseudoliva (Buccinorbis) filiformis [*sic*] Conrad *in* Gabb, Conrad, 1866a, p. 17

Pseudoliva vetusta (Conrad) var., Palmer, 1937, p. 314, pl. 43, fig. 9; pl. 85, fig. 6 as *Monoceros* type *P. fusiformis* Conrad *in* Gabb

Pseudoliva fusiformis Conrad, Gardner, 1945, p. 197, pl. 24, figs. 11, 12 "holotype"; Brann and Kent, 1960, p. 746 "variation"

Range.—Middle Eocene. Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: "Wheelock" (type, Gabb) = *Robertson Co.*, Town Branch of Cedar Creek near Wheelock *fide* Stenzel, Krause, and Twining, 1957, p. 11

Type.—Lectotype *P. fusiformis* Conrad, No. 13269 ANSP, Palmer, 1937, p. 315; missing Moore, 1962, p. 62

Pseudoliva vetusta Conrad forma **Buccinidae**

Pseudoliva vetusta Conrad, Aldrich, 1886, p. 59; Harris, 1896, p. 99 in part, pl. 9, fig. 17; Brann and Kent, 1960, p. 744

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Cr. fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R.; 1 mi. W. of Oak Hill; Dales Branch

Type.—Figured specimen, Harris, No. 24 PRI

Pseudoliva vetusta Conrad forma **Buccinidae**

Pseudoliva vetusta Conrad, Aldrich, 1886, pp. 50, 56, 58; Harris, 1897a, p. 478, pl. 22, fig. 9; Harris, 1899a, p. 31, pl. 3, fig. 16; Harris, 1899b, p. 305, pl. 54, figs. 6, 7 "var."; Palmer, 1937, p. 310 in part, pl. 43, figs. 5, 6 only; Le Blanc, 1942⁺, p. 119, pl. 15, fig. 11; Brann and Kent, 1960, p. 746

Range.—Lower Eocene. Pendleton Ferry fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm.; upper Wilcox [Sabine] gr.; Nanjemoy fm.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R.; NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.; for Ala. localities see Harris, 1899a, p. 32; for La. localities see Harris, 1899b, p. 305 and Le Blanc, 1942⁺, p. 120. VA. *Hanover Co.*, Newcastle, S. side of Pamunkey R., ¾-1 mi. E. of bridge on U.S. 360

Types.—Figured specimen, Harris, 1899a, presumably ANSP; Harris, 1899b, lost. Le Blanc, 1942⁺ presumably LSU Pal. Mus. Palmer, 1937, Nos. 3076(3077) PRI

Pseudoliva vetusta Conrad "var.", Palmer, 1937
See *Pseudoliva vetusta* Conrad *forma* middle Eocene

Pseudoliva vetusta carinata Conrad in Gabb **Buccinidae**

Pseudoliva carinata Conrad *in* Gabb, 1860d, p. 381, pl. 67, fig. 32; Heilprin, 1891a, p. 398; Renick and Stenzel, 1931, p. 101, pl. 7, figs. 19, 20; Palmer, 1937, p. 313 in part, pl. 42, figs. 3-6 as *P. perspectiva;* pl. 85, fig. 4 type; Harris and Palmer, 1947, p. 356 in part under *P. perspectiva*

Sulcobuccinum (Buccinorbis) carinata (Conrad *in* Gabb), Conrad, 1865a, p. 21; Conrad, 1866a, p. 25

Pseudoliva vetusta perspectiva Conrad, Brann and Kent, 1960, p. 746 as in Palmer, 1937, p. 313. Not *P. perspectiva* Conrad, 1854, p. 289

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr. [Either horizon type, to be determined by locality of lectotype]

Localities.—TEXAS: "Wheelock" (Gabb, type) = *Robertson Co.*, Cedar Cr., near Wheelock or "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11); big branch Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City; *Sabine Co.*, Columbus; *Angelina Co.*, S. side Angelina R., bank at Marion, on N. line Angelina Co. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; Hickory; 2 mi. NE. Newton on route 15; *Clarke Co.*, about 8 mi. W. of Enterprise; Wautubbee. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. Mt. Lebanon; *Ouachita Par.*, E. bank, Lapiniere Ldg., Ouachita R.; *Sabine Par.*, Fisher. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. Mexican localities see Gardner, 1945, p. 198; Perrilliat Montoya, 1963, p. 17 material too poor for specific identification.

Types.—Syntypes (7), No. 13268 ANSP Moore, 1962, p. 45

Pseudoliva vetusta "var." *clausa in* Kennedy, 1895, p. 103; Harris, 1893 ms. Texas report *nomen nudum*

Pseudoliva vetusta fusiformis (I. Lea)
See *Pseudoliva vetusta* (Conrad)

Pseudoliva vetusta linosa Conrad in Gabb **Buccinidae**

Pseudoliva linosa Conrad *in* Gabb, 1860d, p. 381, pl. 67, fig. 31; Conrad, 1866a, p. 17

Sulcobuccinum (Buccinorbis) linosa Conrad, Conrad, 1865a, p. 21

? *Pseudoliva vetusta moerens* de Gregorio, 1890, p. 109, pl. 8, figs. 39, 40

Pseudoliva vetusta linosa Conrad *in* Gabb, Palmer, 1937, p. 315 in part, pl. 43, figs. 2, 3, 10 not White Bluff, Ark.; Harris and Palmer, 1947, p. 359; Brann and Kent, 1960, p. 746

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr.; Wheelock mem., Cook Mt. fm., upper Claiborne gr. Type Stone City beds or Wheelock mem., to be determined by holotype locality.

Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. or "Wheelock" (Gabb, type) = *Robertson Co.*, Cedar Cr., near Wheelock *fide* Stenzel, Krause, and Twining, 1957, p. 11; *Bastrop Co.*, Smithville, Colorado R.

Type.—Holotype, not No. 13270 ANSP *fide* Palmer, 1937, p. 315; missing Moore, 1962, p. 71. Holotype *P. vetusta moerens* de Gregorio, No. 26430 PRI De Gregorio Coll.

Pseudoliva vetusta moerens de Gregorio
See *Pseudoliva vetusta linosa* Conrad *in* Gabb

Pseudoliva vetusta perspectiva Conrad in Gabb **Buccinidae**

Gastridium vetustum (Conrad), Conrad *in* Wailes, 1854, p. 289, pl. 17, [pl. 16], fig. 4 (reprint 1939, p. 19, pl. 4, fig. 4); Conrad, 1856a, p. 262 (reprint, 1939, p. 8). Not Conrad, 1853d, p. 321 as in Harris and Palmer, 1947, p. 356. Not Conrad, 1833c, p. 44

Pseudoliva perspectiva Conrad *in* Gabb, 1860d, p. 381, pl. 67, fig. 29; Cossmann, 1901b, p. 192, pl. 8, figs. 19, 20

Monoceros vetustus Conrad, Owen, 1860, p. 417 [Cox], pl. 9, fig. 3; probably Call, 1891, p. 8; Harris, 1894b, p. 160 *Pseudoliva vetusta*

Sulcobuccinum (Buccinorbis) perspectiva (Conrad *in* Gabb), Conrad, 1865a, p. 21

Pseudoliva (Buccinorbis) perspectiva (Conrad), Conrad, 1866a, p. 25

Pseudoliva pyruloides var. *perspectiva* Conrad [*in* Gabb], Meyer, 1885a, p. 468

? *Pseudoliva vetusta* Conrad, de Gregorio, 1890, p. 109 in part, pl. 8, figs. 35, 36, not figs. 39, 40 *moerens*

Pseudoliva vetusta perspectiva Conrad *in* Gabb, Palmer, 1937, p. 313 in part, pl. 42, figs. 1, 2, not figs. 3-6, not pl. 85, fig. 4 type *P. carinata;* Harris and Palmer, 1947, p. 356 in part, pl. 46, figs. 7-15; pl. 47, figs. 1, 3-5; Wilbert, 1953, p. 123, pl. 2, fig 10

Pseudoliva vetusta cf. *perspectiva* Conrad *in* Gabb, Harris and Palmer, 1947, p. 359 in part, pl. 47, figs. 2, 6; Brann and Kent, 1960, pp. 747, 748 [No. 4689 add cf. *perspectiva*]

Pseudoliva (Buccinorbis) vetusta perspectiva Conrad *in* Gabb, Glibert, 1960a, p. 8

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr. (type); Yazoo clay, upper Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson (type); Town Cr. and Moodys Branch, Jackson; *Clarke Co.*, Garland Cr., near Shubuta; 4 mi. NE. of Shubuta, 1-2 mi. above bridge site. LA.: *Grant Par.*, Montgomery Ldg., upper bed and lower beds, ½ mi. below ferry, Red R.; *Catahoula Par.*, Danville Ldg., Ouachita R.; Carter Ldg., Ouachita R.; *Caldwell Par.*, Grandview Bluff; Bunker Hill Ldg.; Bunker Hill bluff, little stream ½-1 mi. back of Bunker Hill, in road near top of the hill from Ouachita R.; Wyant Bluff [Myatt] W. bank Ouachita R.; 1 mi. below, ½ mi. below, ¾ mi. below ldg., Gibson Ldg., Ouachita R.; *Vernon Par.*, Bayou Toro "first bluff." ARK.: *Jefferson Co.*, White Bluff, Arkansas R. TEXAS: *Sabine Co.*, ½ mi. below Robinson's Ferry, Sabine R.

Type.—*Gastridium vetustum* Conrad see Moore, 1962, pp. 87, 107. Lectotype, *Pseudoliva perspectiva* Conrad *in* Gabb, No. 13271 ANSP *fide* Palmer, 1937, p. 314, missing, Moore, 1962, p. 87

Pseudoliva vetusta "var." *pica in* Kennedy, 1895, p. 103 = *nomen nudum fide* Palmer, 1937, p. 316

Pseudoliva vetusta "var." *picta in* Kennedy, 1895, p. 122—misspelling for *pica* = *nomen nudum fide* Palmer, 1937, p. 316

Pseudoliva sp. **Buccinidae**

Pseudoliva scalina Heilprin, Harris, 1896, p. 100, pl. 9, fig. 21; Brann and Kent, 1960, p. 744. Not Heilprin, 1881, p. 371

Range.—Paleocene. Clayton fm., lower Midway gr.

Localities.—ALA.: *Wilcox Co.*, ⅓ mi. N. of Prairie Bluff, Alabama R.; Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.; 1 mi. W. Graveyard Hill; *Barbour Co.*, 1⅓ mi. NE. of Clayton

Type.—Figured specimen lost PRI

Pseudoliva sp. **Buccinidae**

Pseudoliva vetusta ? Conrad, Whitfield, 1892, p. 193 in part, pl. 24, fig. 20. The specimen is too poor for specific identification.

Range.—Middle Eocene. Shark River ml., upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark River

Type.—Specimen figured, not found Rutgers, 1965

Pseudoliva sp. **Buccinidae**

Pseudoliva sp. Clark and Martin, 1901, p. 140, pl. 23, fig. 7

Range.—Paleocene. Aquia fm.

Locality.—MD.: *Prince Georges Co.*, Upper Marlboro; Hardesty

Type.—Figured specimen, not found JHU, 1964

Pseudoliva sp. **Buccinidae**

Pseudoliva sp. Gardner, 1935, p. 254

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Uvalde Co.*, Elm Creek, Schuddemagen ranch, 11 mi. S. of Sabinal

Type.—Unfigured specimen probably USNM

Pseudoliva sp. **Buccinidae**

Pseudoliva sp. Gardner, 1935, p. 254

Range.—Paleocene. Tehuacana mem., Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Limestone Co.*, 2½ mi. NW. of Groesbeck

Type.—Unfigured specimen, probably USNM

Pseudoliva sp. **Buccinidae**

Pseudoliva sp. Harris, 1896, p. 100, pl. 9, fig. 22; Brann and Kent, 1960, p. 744

Range.—Paleocene. Clayton fm., lower Midway gr.
Locality.—ALA.: *Barbour Co.*, R.R. cut 1⅓ mi. NE. of Clayton
Type.—Figured specimen, No. 22 PRI

Pseudomalaxis plummerae Palmer **Architectonicidae**

Pseudomalaxis plummerae Palmer, 1937, p. 178, pl. 21, figs. 9, 14, 15; Brann and Kent, 1960, p. 748

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff]; Brazos R.
Types.—Holotype, No. 2857; paratypes, Nos. 2858, 2859 PRI

Pseudomalaxis rotella (I. Lea) **Architectonicidae**

Orbis rotella I. Lea, 1833, p. 123, pl. 4, fig. 112; H. C. Lea, 1849, p. 103; Conrad, 1865a, p. 30; Conrad, 1866a, p. 14; Aldrich, 1890, p. 25; Harris, 1895b, p. 39; not Aldrich, 1886, p. 53 = *Discohelix verrilli* Aldrich
Cyclogyra rotella (I. Lea), de Gregorio, 1890, p. 139, pl. 12, figs. 62, 63
Discohelix rotella (I. Lea), Dall, 1892, p. 331; Cossmann, 1893, p. 28
Pseudomalaxis rotella (I. Lea), Cossmann, 1915b, p. 142; Palmer, 1937, p. 176, pl. 21, figs. 8, 13 copies I. Lea

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5634 (broken) ANSP

Pseudomalaxis texana (Aldrich) **Architectonicidae**

Discohelix texana Aldrich, 1911, p. 12, pl. 5, figs. 2, 3
Pseudomalaxis texana (Aldrich), Palmer, 1937, p. 178, pl. 21, figs. 4, 6 copies Aldrich

Range.—Middle Claiborne. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 639132 USNM

"Pseudomalaxis" tipa (de Gregorio) **Architectonicidae**

Cyclogyra tipa de Gregorio, 1890, p. 138, pl. 12, figs. 60, 61; Dall, 1892, p. 332
"*Pseudomalaxis*" *tipa* (de Gregorio), Palmer, 1937, p. 178, pl. 21, figs. 11, 12 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Pseudomalaxis verrilli (Aldrich) **Architectonicidae**

Orbis rotella I. Lea, Aldrich, 1886, p. 53. Not I. Lea, 1833, p. 123
Discohelix verrilli Aldrich *in* Harris, 1899a, p. 82, pl. 11, figs. 9, 9a
Pseudomalaxis verrilli (Aldrich), Palmer, 1937, p. 178

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type); *Wilcox Co.*, 6 mi. E. of Thomasville
Type.—Holotype, No. 639010 USNM

Pseudomelania striata (I. Lea)
See *Mesalia vetusta* (Conrad)

Cf. **Pseudoneptunea harrisi** (Aldrich) ? **Buccinidae**

Fusus harrisi Aldrich, 1895b, p. 12, pl. 4, figs. 2, 8; cf. Harris, 1899b, p. 299, pl. 52, fig. 7; Casey, 1904, p. 163
Buccinofusus Harrisi (Aldrich), Cossmann, 1895c, p. 185; Cossmann, 1895, Revue Bibliographique, p. 35 *fide* Harris, 1899a; Cossmann, 1901b, p. 34
Fusus (Buccinofusus) harrisi Aldrich, Harris, 1899a, p. 43, pl. 5, fig. 7; Brann and Kent, 1960, p. 398
[*Fusus*] *harrisi* Aldrich, Wrigley, 1927, p. 248 *Euthriofusus*

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr.; Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type). LA.: *Sabine Par.*, Raines' place, near Rocky Spring Church, about 6 mi. WSW. of Marthaville (NE. ¼ NE. ¼ sec. 24, T. 8 N., R. 11 W. Barry and Le Blanc, 1942⁺, p. 35)
Types.—Syntype, No. 638941 USNM (fig. 2); syntype (fig. 8) not in USNM, 1964

Pseudoperissolax eocensis (Aldrich)
See *Perissolax eocensis* (Aldrich)

Pseudotaphrus varicifer Cossmann
See *Alaba varicifer* (Cossmann)

Pseudotoma aldrichi (Meyer) **Turridae**

Pleurotoma aldrichi Meyer, 1887b, p. 52, pl. 3, fig. 7, 7a, 7b

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Types.—Syntypes, No. 638897 (fig. 7), No. 638899 (fig. 7a), No. 638900 (fig. 7b) USNM

Pseudotoma axeli Harris **Turridae**

Pseudotoma axeli Harris *in* Harris and Palmer, 1947, p. 434, pl. 60, fig. 8a; Brann and Kent, 1960, p. 751

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)
Type.—Holotype, No. 4983 PRI

Cf. Pseudotoma bellistriata (Clark) **Turridae**

Mangilia [*sic*] *(Pleurotomella) bellistriata* Clark, 1895, p. 4; Clark, 1896, p. 65, pl. 9, fig. 5; Clark and Martin, 1901, p. 128, pl. 20, fig. 13, fig. 13a holotype = *Mangelia*

Range.—Paleocene. Aquia fm. Lower Eocene. Nanjemoy fm. (type)

Localities.—MD.: *Charles Co.*, Popes Creek (type). VA.: *King George Co.*, Potomac Creek

Type.—Holotype, USNM

Pseudotoma floridana Palmer **Turridae**

Pseudotoma floridana Palmer *in* Richards and Palmer, 1953, p. 39, pl. 6, figs. 6, 11

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Locality.—FLA.: *Levy Co.*, a road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)

Types.—Holotype, No. I-7632; paratype, No. I-7633 Fla. Geol. Sur.

Pseudotoma gardneri (Aldrich) **Turridae**

Pleurotoma (Peratotoma) Gardneri Aldrich, 1921, p. 8, pl. 1, figs. 7, 8

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Clarke Co.*, Pugh's branch of Satilpa Creek (type)

Type.—Holotype, No. 66 GSATC

Pseudotoma heilprini (Aldrich) **Turridae**

Pleurotoma heilprini Aldrich, 1885a, p. 146, pl. 3, fig. 15; Aldrich, 1886, p. 29, pl. 1, fig. 15

Pseudotoma heilprini (Aldrich), Cossmann, 1893, p. 43; Casey, 1904, p. 161; Harris, 1937, p. 81, pl. 13, figs. 32, 32a, 32b; Harris and Palmer, 1947, p. 434, pl. 60, figs. 6, 7; Brann and Kent, 1960, p. 751

Genotia [*sic*] *(Pseudotoma) Heilprini* (Aldrich), Cossmann, 1896b, p. 146

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)

Type.—Holotype, No. 638715 USNM

Pseudotoma heilprini (Aldrich) "var." **Turridae**

Pseudotoma heilprini (Aldrich) "var." Harris and Palmer, 1947, p. 434, pl. 60, figs. 4, 5, 7a; Brann and Kent, 1960, pp. 751, 752

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.; *Grant Par.*, Montgomery Ldg., Red R.

Types.—Figured specimens, Nos. 4979, 4980, 4981a PRI

Pseudotoma heilprini gibsoni Harris **Turridae**

Pseudotoma heilprini gibsoni Harris, 1937, p. 81, pl. 13, fig. 33; Harris and Palmer, 1947, p. 434, pl. 60, fig. 8 pathologic; Brann and Kent, 1960, p. 752

Range.—Upper Eocene. Tullos mem. (type), Yazoo cl., upper Jackson gr.

Locality.—LA.: *Caldwell Par.*, Gibson Ldg., Ouachita R. (type)

Type.—Holotype, No. 2590 PRI

Psilocochlis mccalliei Dall **Turbinellidae**

Turbinella (Psilocochlis) Mccalliei Dall, 1904, pp. 9, 10

Psilocochlis Mccalliei Dall, Dall, 1907, pp. 22, 23, figs. 11-13

Xancus (Psilocochlis) mccalliei Dall, Wenz, 1943, p. 1302, fig. 3711 after Dall

Range.—Upper Eocene. Barnwell fm. (type), Jackson gr.

Locality.—GA.: *Richmond Co.*, ½ mi. N. Hephzibah (type)

Type.—Holotype, No. 110379 USNM

Ptereulima elegans Casey **Melanellidae**

Ptereulima elegans Casey, 1902b, pp. 18, 19, text fig.; Palmer, 1937, p. 505 text fig. copy Casey; Wenz, 1943, p. 1501, fig. 4206 copy Casey

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Winn Par.*, St. Maurice (type)

Type.—Holotype, No. 481657 USNM. Lost prior to 1963

Pteronotus [*sic*] *engonatus* (Conrad)
See *Murex engonatus* Conrad

Pteronotus ? [*sic*] *laevavaricosus* Whitfield
See *Murex laevavaricosus* Whitfield

Pteropurpura matthewsensis (Aldrich)
See *Pterynotus matthewsensis* (Aldrich)

Pteropurpura weisbordi Palmer
See *Pterynotus weisbordi* (Palmer)

Pterynotus matthewsensis (Aldrich) **Muricidae**

Murex matthewsensis Aldrich, 1886, p. 18, pl. 3, fig. 15; de Gregorio, 1890, p. 94, pl. 7, fig. 27 copy Aldrich

Murex (Pteronotus [*sic*]) *matthewsensis* Aldrich, Harris, 1896, p. 101, pl. 10, fig. 2; Harris and Palmer, 1947, p. 344 in subg. *Pteropurpura;* Brann and Kent, 1960, p. 571

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 W., 9 mi. W. of Camden (type); 1 mi. W. of Oak Hill

Type.—Holotype, No. 638751 USNM

Pterynotus weisbordi (Palmer) **Muricidae**

Murex (Pteropurpura) weisbordi Palmer *in* Harris and Palmer, 1947, p. 343, pl. 45, figs. 19-21; Brann and Kent, 1960, p. 574

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg., lower layer (type); upper bed, Montgomery Ldg., Red R.; *Caldwell Par.*, 1 mi. above and ½ mi. below Gibson Ldg., Ouachita R.

Types.—Holotype, No. 4657; paratype, No. 4656 PRI

Ptychatractus bastropensis (Harris)
See *Mitrella (Bastropia) bastropensis* (Harris)

Ptychatractus erectus (Aldrich)
See *Mitrella* ( ) *erecta* (Aldrich)

Ptychatractus (Tritonoatractus) pearlensis (Aldrich)
See *Tritonoatractus pearlensis* (Aldrich)

Ptychatractus subfraga [*sic*] (Harris), Cossmann, 1901b
See *Astyris subfraxa* Harris

Ptychatractus ? thalloides (Conrad)
See *Exilifusus thalloides* (Conrad)

Ptycheulimella clinensis Aldrich
See *Turbonilla (Ptycheulimella) clinensis* Aldrich

Ptycheulimella sabina Palmer
See *Turbonilla (Ptycheulimella) sabina* Palmer

Ptycheulimella tardiusculus Aldrich
See *Turbonilla (Ptycheulimella) tardiusculus* Aldrich

"Ptychosalpinx" sp. **Buccinidae**

Ptychosalpinx sp. Kellum, 1926, p. 29, pl. 5, fig. 17

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *Pender Co.*, old Rocky Point

Type.—Figured specimen, No. 138090 USNM

Puncturella (Altrix) altior (Meyer and Aldrich) **Fissurellidae**

Fissurella altior Meyer and Aldrich, 1886, p. 41, pl. 2, figs. 16, 16a, 16b; Cossmann, 1893, p. 20
Glyphis altior (Meyer and Aldrich), Pilsbry and Johnson, 1892, p. 113
Fissuridea altior (Meyer and Aldrich), Dall, 1892, p. 425
Puncturella (Fissurisepta) altior (Meyer and Aldrich), Palmer, 1937, p. 30, pl. 3, figs. 1, 3, 6, 8; section *Folia*, n. sec. type species; Palmer, 1942, p. 674 *Altrix*, new name substitute for *Folia;* Brann and Kent, 1960, p. 757

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton; Hickory; *Clarke Co.*, Wautubbee (type)

Type.—Holotype, No. 638728 USNM

Puncturella jacksonensis Meyer **Fissurellidae**

Puncturella jacksonensis Meyer, 1887a, p. 6, pl. 1, fig. 15; Dall, 1892, p. 428; Pilsbry and Johnson, 1892, p. 113; Palmer, 1937, p. 31; Harris and Palmer, 1947, p. 221, pl. 27, fig. 14

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638872 USNM

"Pusionella" marnochi (Heilprin) **Terebridae**

Fusus marnochi Heilprin, 1880, p. 151, fig. 6; Schuchert, *et al.*, 1905, p. 280
Fusus (Strepsidura ?) Marnochi Heilprin, Heilprin, 1891a, p. 395
"Fusus" marnochi Heilprin, Aldrich, 1897a, p. 5, pl. 3, figs. 4, 4a
Pusionella Marmodei [*sic*] (Heilprin), Cossmann, 1899b, p. 187
"Pusionella" marnochi (Heilprin), Harris and Palmer, 1947, p. 449, pl. 62, figs. 13, 14 copies Aldrich, 1897a

Range.—Upper Eocene. Jackson gr.
Locality.—TEXAS: *Atacosa Co.* (type)
Type.—Holotype, No. 8917 USNM

Pyramidella (Iphiana) anita (Aldrich) **Pyramidellidae**

Turbonilla (Cingulina) anita Aldrich, 1907, p. 9, pl. 1, fig. 12
Pyramidella (Iphiana) anita (Aldrich), Aldrich, 1921, p. 10

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *Wilcox Co.*, 6 mi. E. of Thomasville; *Monroe Co.*, Bells Ldg., Alabama R. (type)
Type.—Holotype No. 23 GSATC

Pyramidella bastropensis Harris **Pyramidellidae**

Pyramidella bastropensis Harris, 1895a, p. 76, pl. 8, fig. 9; Palmer, 1937, p. 78, pl. 7, figs. 18-20; Brann and Kent, 1960, p. 758

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Stone City beds, middle Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City
Type.—Holotype, missing Bur. Ec. Geol., 1964

Pyramidella (Ulfa) chavani Palmer **Pyramidellidae**

Pyramidella (Ulfa) chavani Palmer, 1937, p. 73 in part, pl. 8, figs. 13-15, 20, not figs. 2, 5, 6, 19; Brann and Kent, 1960, pp. 758, 759 in part, Nos. 2726, 2727 only

P. chavani Palmer is herein restricted to the Gosport sd. specimens as typical. The syntypes from Lapiniere Ldg. on the Ouachita R., La., are renamed *P. lapinaria*, n. sp., which see.

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr., Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, Orangeburg district
Types.—Syntypes, Nos. 2726, 2727 PRI [herein segregated]

Pyramidella (Ulfa) cossmanni Dall and Bartsch **Pyramidellidae**

Syrnola (Orina) striata (I. Lea), Cossmann, 1893, p. 23, pl. 1, figs. 30-32 [fig. 30 is misdrawn]. Not *Acteon striatus* I. Lea, 1833, p. 114, pl. 4, fig. 100

Pyramidella (Ulfa) cossmanni Dall and Bartsch, 1904, p. 5 new name for *Syrnola striata* Cossmann not Lea, 1833; Dall and Bartsch, 1909, p. 9; Palmer, 1937, p. 74, pl. 8, figs. 1, 9, 10 copies Cossmann

Cossmannica (Ulfa) cossmanni Dall and Bartsch, Cossmann, 1921b, p. 225, pl. 5, figs. 25-27

Tiberia (Ulfa) cossmanni Dall and Bartsch, Wenz, 1940, p. 876, fig. 2573 copy Cossmann

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes, No. 11587 Lab. Géol., Sorbonne, Paris

Pyramidella (Monotigma) crassispirata (Meyer) **Pyramidellidae**

Odostomia crassispirata Meyer, 1887a, p. 6, pl. 1, fig. 13

Pyramidella (Monotigma) crassispirata (Meyer), Harris and Palmer, 1947, p. 227, pl. 27, fig. 19 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638871 USNM

Pyramidella (Syrnola) dalli Cossmann **Pyramidellidae**

Syrnola Dalli Cossmann, 1893, p. 22, pl. 1, fig. 28; Chavan *in* Palmer, 1937, p. 76

Cossmannica Dalli (Cossmann), Cossmann, 1921b, p. 221

Pyramidella dalli (Cossmann), Palmer, 1937, pp. 75-77 under *P. perexilis* Conrad in part, pl. 7, fig. 24 copy Cossmann

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 11583 Lab. Géol., Sorbonne, Paris

Pyramidella elevata (I. Lea)
See *Pyramidella (Longchaeus) larvata* Conrad

Pyramidella (Ulfa) lapinaria, n. sp. Palmer and Brann **Pyramidellidae**

Pyramidella (Ulfa) chavani Palmer, 1937, p. 73 in part, pl. 8, figs. 2, 5, 6, 19, not figs. 13-15, 20; Brann and Kent, 1960, pp. 758, 759, Nos. 2724, 2728-2730

P. lapinaria, n. sp., is separated from *P. chavani* Palmer as included and illustrated by Palmer, 1937. *P. lapinaria* differs from *P. chavani* as restricted in the more oblique line of the spire. The body whorl is fuller and broader than *P. chavani.*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank of Ouachita R. (type)
Types.—Syntypes, Nos. 2724 (2725), 2728, 2729, 2730 PRI [herein segregated]

Pyramidella (Longchaeus) larvata Conrad **Pyramidellidae**

Pyramidella larvata Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 105; Dall, 1892, p. 246; Harris, 1895b, p. 24

Acteon elevatus I. Lea, 1833, p. 113, pl. 4, fig. 98; H. C. Lea, 1849, p. 95; Harris, 1895b, p. 18 = *Pyramidella larvata* Conrad

? *Acteon pygmaeus* I. Lea, 1833, p. 114, pl. 4, fig. 101; H. C. Lea, 1849, p. 95; Dall, 1892, p. 246; Harris, 1895b, p. 38 in part

Obeliscus larvatus (Conrad), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14

Obeliscus pygmaeus (I. Lea), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14

? *Odostomia elevata* (I. Lea), de Gregorio, 1890, p. 156, pl. 15, figs. 18, 19, fig. 20 copy I. Lea

? *Odostomia pygmaea* (I. Lea), de Gregorio, 1890, p. 156, pl. 15, fig. 21 copy I. Lea

Cf. *Pyramidella (Obeliscus) suprapulchra* de Gregorio, 1890, p. 158, pl. 15, fig. 30; Cossmann, 1893, p. 22 ? Eocene

Pyramidella elevata (I. Lea), Dall, 1892, p. 246; Cossmann, 1921b, p. 216

Syrnola elevata (I. Lea), Cossmann, 1893, p. 22

Pyramidella (Longchaeus) larvata Conrad, Palmer, 1937, p. 71, pl. 7, figs. 31-34; pl. 79, fig. 10 type *P. larvata*, fig. 15 type *Acteon elevatus* I. Lea; Brann and Kent, 1960, p. 759; Glibert, 1962c, p. 25

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype and 5 remaining specimens, No. 15606 ANSP, Moore, 1962, p. 68. Holotype *Acteon elevatus* I. Lea, No. 5545 ANSP. Holotype *Acteon pygmaeus* lost not No. 5559 ANSP = *Pyramidella pseudopygmaeus* Palmer

Pyramidella (Syrnola) meyeri Cossmann **Pyramidellidae**

Syrnola Meyeri Cossmann, 1893, p. 23, pl. 1, fig. 27; Cossmann, 1921b, p. 228; Chavan *in* Palmer, 1937, p. 76

Pyramidella (Syrnola) meyeri Cossmann, Harris and Palmer, 1947, p. 225, pl. 28, fig. 7; Brann and Kent, 1960, p. 759

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 10092, Lab. Géol., Sorbonne, Paris

Pyramidella (Syrnola) mitchelliana (Aldrich) **Pyramidellidae**

Turbonilla (Mormula) mitchelliana Aldrich, 1911, p. 8, pl. 3, fig. 3

Pyramidella (Syrnola) mitchelliana (Aldrich), Aldrich, 1921, p. 10

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.

Locality.—ALA.: *Wilcox Co.*, 6 mi. E. of Thomasville (type)

Type.—Holotype, No. 639125 USNM

Pyramidella (Iphiana) obtusoides Aldrich **Pyramidellidae**

Pyramidella (Iphiana) obtusoides Aldrich, 1921, p. 10, pl. 1, fig. 13

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); Bells Ldg., Alabama R.
Type.—Holotype, No. 61 GSATC

Pyramidella perexilis (Conrad) **Pyramidellidae**

Obeliscus perexilis Conrad, 1865a, p. 28; Conrad, 1865c, p. 144; Conrad, 1865d, p. 211, pl. 20, fig. 2; Conrad, 1866a, p. 14; Harris, 1895b, pp. 33, 38 in part "synonym *Actaeon pygmaeus*"
Odostomia perexilis (Conrad), de Gregorio, 1890, p. 157, pl. 15, fig. 27 copy Conrad
Syrnola perexilis (Conrad), Dall, 1892, p. 247; Cossmann, 1893, p. 23; Cossmann, 1921b, p. 228
Pyramidella perexilis (Conrad), Palmer, 1937, p. 75 in part, pl. 7, figs. 4, 5, 21, not 24 *dalli;* pl. 79, fig. 16 type Conrad; Brann and Kent, 1960, p. 759

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: "Ala." (type). *Monroe Co.*, Claiborne Bluff, Alabama R. TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City. LA.: *Sabine Par.*, Fisher; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.; Brewer's 1200 ft., Monroe
Type.—Holotype, No. 15627 ANSP, Moore, 1962, p. 85

Pyramidella (Syrnola) propeacicula Cossmann **Pyramidellidae**

Syrnola propeacicula Cossmann, 1893, p. 23, pl. 1, fig. 29; Cossmann, 1921b, p. 230 section *Puposyrnola*
Pyramidella (Syrnola) propeacicula Cossmann, Chavan *in* Palmer, 1937, p. 76; Palmer, 1937, p. 79, pl. 7, fig. 1 copy Cossmann, figs. 2, 3, 10, 11; Brann and Kent, 1960, pp. 759, 760

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 and 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.
Type.—Holotype, No. 11662 Lab. Géol., Sorbonne, Paris

Pyramidella pseudopygmaea Palmer **Pyramidellidae**

Acteon pygmaeus museum label No. 5559 ANSP, Harris, 1895b, p. 38 in part. Not *Acteon pygmaeus* I. Lea, 1833; not Dall, 1892, p. 246
Pyramidella pseudopygmaeus Palmer, 1937, p. 77, pl. 7, figs. 25, 28-30, 35; pl. 79, fig. 11 No. 5559 ANSP; Brann and Kent, 1960, p. 760

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.
Types.—Holotype, No. 2715; paratypes, Nos. 2714, 2716-2718 PRI

Pyramidella suprapulchra de Gregorio
See *Pyramidella (Longchaeus) larvata* Conrad

Pyramidella sp. **Pyramidellidae**

Syrnola dalli Cossmann "var." Harris, 1899a, p. 98, pl. 12, fig. 14; Brann and Kent, 1960, p. 835

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, No. 1385 PRI

Pyramimitra costata (I. Lea)
See *Pyramimitra terebraeformis* (Conrad)

Pyramimitra costata (I. Lea), Aldrich, 1895b in part. Not *Terebra costata* I. Lea, 1833
See *Pyramimitra* sp.

Pyramimitra olssoni Palmer **Pyramimitridae**

Pyramimitra olssoni Palmer, 1937, p. 275, pl. 37, figs. 8, 9; Brann and Kent, 1960, p. 760

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 3021 PRI

Pyramimitra terebraeformis (Conrad) **Pyramimitridae**

Terebra costata I. Lea, 1833, p. 166, pl. 5, fig. 172; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 106; d'Orbigny, 1850, p. 369; Dall, 1896b, p. 34; Harris, 1895b, p. 13. Not *T. costata* Borson, 1825a, p. 309

Mitra terebraeformis Conrad, 1848b, p. 132, pl. 14, fig. 30; Harris, 1895b, p. 45 [as *terebriformis*]

Lirofusus gracilis Conrad mus. labelled specimen ANSP *fide* Harris, 1895b, pp. 13, 21; Moore, 1962, p. 63

Pyramimitra costata (I. Lea), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14; Heilprin, 1891a, p. 400; Aldrich, 1895b, p. 10 in part, not pl. 2, fig. 11 = *Pyramimitra* sp.

Pyramimitra terebriformis [*sic*] (Conrad), Conrad, 1865a, p. 28; Conrad, 1866a, p. 14; de Gregorio, 1890, p. 19, pl. 1, fig. 54; pl. 10, fig. 23 under *Terebra;* Cossmann, 1893, p. 38; Cossmann, 1901b, p. 126, pl. 8, figs. 10, 11

Pyramimitra terebraeformis (Conrad), Palmer, 1937, p. 274, pl. 37, figs. 12-15; pl. 85, fig. 5 type, fig. 14 type *T. costata* Lea; Wenz, 1943, p. 1208, fig. 3443 copy Cossmann; Harris and Palmer, 1947, p. 352 in part, not pl. 45, figs. 10, 11 = *Pyramimitra* sp.; Brann and Kent, 1960, pp. 760, 761; Glibert, 1963b, p. 85

Terebra (Pyramimitra) leai de Gregorio, 1890, p. 19, pl. 1, fig. 55 copy *T. costata* I. Lea, new name for *T. costata* I. Lea

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Brazos Co.*, Little Brazos R., 2½ mi. above

Stone City. Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Types.—Lectotype + 1 specimen, No. 15109 ANSP, Moore, 1962, p. 102. Holotype *Terebra costata* I. Lea, No. 5850 ANSP

Pyramimitra terebraeformis (Conrad), Harris and Palmer, 1947 in part. Not Conrad, 1848b
See *Pyramimitra* sp.

Pyramimitra sp. **Pyramimitridae**

Pyramimitra costata (I. Lea), Aldrich, 1895b, p. 10 in part, pl. 2, fig. 11 loc. ?. Not *Terebra costata* I. Lea, 1833, p. 166

Pyramimitra terebraeformis (Conrad), Harris and Palmer, 1947, p. 352 in part, pl. 45, figs. 10, 11; Brann and Kent, 1960, p. 761. Not Conrad, 1848b, p. 132

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson
Types.—Figured specimens, Nos. 4669, 4670 PRI

Pyramis elegans (H. C. Lea)
See *Bittium (Stylidium) elegans* (H. C. Lea)

Pyramis notata (I. Lea)
See *Balcis notata* (I. Lea)

Pyramis striata (Conrad), de Gregorio, 1890
See *Acrocoelum cancellatum* (H. C. Lea)
See also *"Pasithea" striata* I. Lea

Pyramis striata (I. Lea)
See *"Pasithea" striata* I. Lea

Pyramis sulcata (I. Lea)
See *Actaeonema sulcatum* (I. Lea)

Pyramis terebellata Conrad
See *Niso umbilicata* (I. Lea)

Pyrgiscus agrestis Aldrich
See *Turbonilla (Pyrgiscus) agrestis* Aldrich

Pyrgulina claibornensis Aldrich
See *Odostomia (Pyrgulina) claibornensis* Aldrich

Pyrificus Smithii (J. de C. Sowerby)
See *Priscoficus triserialis* (Whitfield)

Pyrolamprus bidentata (Meyer)
See *Turbonilla bidentata* (Meyer)

Pyropsis perula Aldrich
See *Sceptrum perulum* (Aldrich)

Pyropsis perula Aldrich, Aldrich, 1886 in part; Harris, 1896; Harris, 1897a; Harris, 1899a; Brann and Kent, 1960. Not Aldrich, 1886 Wilcox gr.
See *Sceptrum* spp.
See also cf. *Tudicla* sp. (Maryland, Harris, 1899a)

Pyropsis sp. Clark, 1895; Clark, 1896
See cf. *Tudicla* sp.

Cf. *Pyropsis* sp. Harris and Palmer, 1947
See cf. *Tudicla* sp.

"Pyrula" ampla Tuomey **Ficidae**
Pyrula ampla Tuomey, 1853, p. 193

Range.—Cretaceous mixed with Eocene. Near Wilmington, N.C. Cretaceous is in contact with Tertiary. (Stanton, 1891, pp. 333, 334; Stephenson, 1923, p. 192; Kellum, 1926, p. 3)
Locality.—N.C.: *New Hanover Co.*, Wilmington (type); ? "also found in the white limestone of the Santee."
Type.—Unknown

Pyrula cancellata I. Lea
See *Ficopsis penita* (Conrad)

Pyrula elegantissima I. Lea
See *Ficopsis penita* (Conrad)

Pyrula filia "Meyer", B. Smith, 1907. Not Meyer, 1885a
See *Ficus merita* Palmer

Pyrula juvenis Whitfield
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Pyrula juvenis Whitfield, Aldrich, 1886 in part; Harris, 1896 in part. Not *Pyrula juvenis* Whitfield, 1865
See *Priscoficus (Fulguroficus)* sp.

Pyrula multangulata Heilprin
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Pyrula nexilis Lamarck, de Gregorio, 1890. Not Lamarck, 1803, p. 391
See *Ficopsis penita* (Conrad)

Pyrula penita Conrad
See *Ficopsis penita* (Conrad)

Pyrula penita Conrad "var." Clark and Martin, 1901
See *Ficopsis* sp.

Pyrula Smithii I. Lea
See *Lacinia alveata* (Conrad)

Pyrula (Pyrificus) Smithii Sowerby, Aldrich, 1885b. Not James de Carle Sowerby *in* Fitton, 1835a, p. 336
See *Priscoficus triserialis* (Whitfield)

Pyrula (Fusoficula) texana Harris
See *Ficopsis texana* (Harris)

Pyrula tricarinata Conrad
See *Ficopsis penita* (Conrad)

? *Pyrula tricostata* Deshayes, Heilprin, 1881. Not Deshayes, 1835a
See *Priscoficus (Fulguroficus) juvenis* (Whitfield)

Pyrula sp. Clark and Martin, 1901
See cf. *Bolis* sp.

Pyrula sp. Harris, 1894b
See *Priscoficus (Fulguroficus)* sp.

Pyxipoma plitus (de Gregorio)
See *Tenagodus vitis* (Conrad)

Ragenella [*sic*] Conrad, 1865a, p. 21
See *Sagenella*

Ranella maclurii Conrad
See *Ranellina maclurii* (Conrad)

Ranella ? pyramidata (H. C. Lea)
See *Ranellina maclurii* (Conrad)

Ranella showalteri (Conrad) **Cymatiidae**

Simpulum showalteri Conrad, 1860, p. 292, pl. 47, fig. 11; Conrad, 1866a, p. 17
Simpulum (Epidromus) Showalteri Conrad, Conrad, 1865a, p. 20
Triton showalteri (Conrad), Aldrich, 1886, p. 59; Cossmann, 1893, p. 32
Triton (Epidromus) Showalteri (Conrad), de Gregorio, 1890, p. 98, pl. 7, fig. 45 copy Conrad
Triton (Simpulum) showalteri Conrad, Harris, 1896, p. 102, pl. 10, fig. 4; Brann and Kent, 1960, p. 881
Not *Tritonium showalteri* (Conrad), Clark and Martin, 1901, p. 141, pl. 24, figs. 1, 1a = *Ranella* sp.
Tritonium (Lampusia) Showalteri (Conrad), Cossmann, 1903b, p. 95

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden. Type locality = "further north [Alabama] than Mr. Tuomey had explored" Conrad
Type.—Missing ANSP, Moore, 1962, p. 96

Ranella tuomeyi Aldrich **Cymatiidae**

Ranella (Argobuccinum) Tuomeyi Aldrich, 1886, p. 20, pl. 3, fig. 3
Ranella Tuomeyi Aldrich, de Gregorio, 1890, p. 99 not Matthews Ldg., pl. 7, fig. 48 copy Aldrich; Cossmann, 1893, p. 32; Cossmann, 1903b, p. 113
Triton tuomeyi (Aldrich), Harris, 1899a, p. 64, pl. 8, fig. 22; Brann and Kent, 1960, p. 881

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638755 USNM

Ranella sp. **Cymatiidae**

Tritonium showalteri (Conrad), Clark and Martin, 1901, p. 141, pl. 24, figs. 1, 1a. Not *T. showalteri* Conrad, 1860, p. 292

Range.—Paleocene. Aquia fm.
Locality.—VA.: *King George Co.,* 2 mi. below Potomac Cr.; mouth of Paspotansa Creek
Type.—Figured specimen, USNM

Ranellina maclurii (Conrad) **Bursidae**

Tuba sulcata I. Lea, 1833, p. 129, pl. 4, fig. 119 young; H. C. Lea, 1849, p. 106; Aldrich, 1895b, p. 15; Harris, 1895b, p. 44. Not *T. sulcata* (Pilkington), 1804, p. 118 as *Turbo*

Ranella Maclurii Conrad, 1835a, p. 55 [no description], pl. 18, fig. 9 (Harris reprint, 1893, p. 111, pl. 18, fig. 9); de Gregorio, 1890, p. 98, pl. 7, fig. 47 copy Conrad; Cossmann, 1893, p. 32; Harris, 1895b, p. 26

Triton pyramidatum H. C. Lea, 1841, p. 99, pl. 1, fig. 16 young; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 38; Palmer, 1937, pl. 84, fig. 3 type under *Ranellina sulcata.*

Gyrineum Maclurii (Conrad), Conrad, 1854, p. 31

Sanellina [*sic*] *Maclurii* (Conrad), Conrad, 1865a, p. 21 [misprint for *Ranellina* corrected on p. 191 same reference]

Pisania claibornensis Whitfield, 1865, p. 259, pl. 27, fig. 2; Aldrich, 1887, p. 79; Whitfield, 1899, p. 173

Triton (Ranellina) Maclurii (Conrad), Tryon, 1883b, p. 124, pl. 46, fig. 60

Ranellina Maclurii (Conrad), Conrad, 1866a, p. 17; Dall, 1890, p. 130; Harris, 1895b, p. 26; Cossmann, 1903b, p. 89; Cossmann, 1906b, p. 235; Stewart, 1927, p. 385; Palmer, 1937, pp. 94, 259, pl. 84, fig. 5 paratype, fig. 8 lectotype

Algrus claibornensis (Whitfield), de Gregorio, 1890, p. 93, pl. 7, fig. 23 copy Whitfield; Cossmann, 1893, p. 34

Ranella ? pyramidata (H. C. Lea), de Gregorio, 1890, p. 98, pl. 7, fig. 29 copy Lea; Cossmann, 1893, p. 32

Turbo (Tuba) antiquata (Conrad), de Gregorio, 1890, p. 142 in part, pl. 13, fig. 17 only copy *T. sulcata* Lea

Ranellina sulcata (I. Lea), Palmer, 1937, pp. 94, 259, pl. 34, figs. 4, 5 holotype *Pisania claibornensis* Whitfield; pl. 84, fig. 11 type; Wenz, 1941, p. 1076, fig. 3064 copy Conrad

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype ?, No. 14201 ANSP, Moore, 1962, p. 73. Holotype *T. sulcata* I. Lea, No. 5660 ANSP. Holotype *Triton pyramidatum* H. C. Lea, ANSP. Holotype *Pisania claibornensis* Whitfield, No. UC 24502 CNHM

Ranellina sulcata (I. Lea)
See *Ranellina maclurii* (Conrad)

Ranularia eocensis (Aldrich)
See *Perissolax eocensis* (Aldrich) [Lower Eocene]
See also *Perissolax* sp. [Paleocene]

Ranularia hula Gardner **Cymatiidae**

Ranularia hula Gardner, 1935, p. 260, pl. 23, figs. 1, 2

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.

Locality.—TEXAS: *Milam Co.*, USGS Sta. 10519, mouth of Brushy Creek at San Gabriel R.

Type.—Holotype, No. 370935 USNM

Raphitoma (Microsurcula) bellula Casey **Turridae**

Microsurcula bellula Casey, 1904, p. 155; Harris, 1937, pp. 77, 79, 80 questions *Microsurcula*, pl. 13, fig. 28 holotype

Range.—Middle Eocene. Lower Claiborne gr. (type)
Locality.—TEXAS: *Leon Co.*, well seven mi. S. of Jewett (type)
Type.—Holotype, No. 494366 USNM

Raphitoma (Microsurcula) carla Harris **Turridae**

Raphitoma (Microsurcula) carla Harris, 1937, p. 77, pl. 13, fig. 18; Brann and Kent, 1960, p. 766

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)
Type.—Holotype, No. 2581 PRI

Raphitoma (Microsurcula) carolia Harris **Turridae**

Raphitoma (Microsurcula) carolia Harris, 1937, p. 76, pl. 13, figs. 17, 17a; Brann and Kent, 1960, pp. 766, 767

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, 5 mi. N. of Orangeburg on Old Columbia road (type)
Types.—Holotype, No. 2582a; paratype, No. 2582b PRI

Raphitoma coelata (I. Lea)
See *Surculoma tabulata* (Conrad)

Raphitoma fannae (Harris) **Turridae**

Pleurotoma (Clathurella?) fannae Harris, 1895a, p. 64, pl. 5, fig. 14
Raphitoma fannae (Harris) Harris, 1937, p. 79, pl. 13, fig. 26 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Colliers Ferry, Brazos R. (type)
Type.—Holotype, No. 35573 BEG

Raphitoma (Microsurcula) georgei (Harris) **Turridae**

Pleurotoma georgei Harris, 1899a, p. 22, pl. 2, fig. 17; Brann and Kent, 1960, p. 716
Microsurcula georgei (Harris), Casey, 1904, p. 155

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr. (type)
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 246 PRI

Raphitoma liddlei Harris **Turridae**

Raphitoma liddlei Harris, 1937, p. 78, pl. 13, fig. 24; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Middle to upper Claiborne gr. (type)
Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated see Veatch Survey 1902, pp. 129, 130)
Type.—Holotype, No. 2586 PRI

Raphitoma meridionalis (Meyer)
See *Eoclathurella meridionalis* (Meyer)

Raphitoma (Microsurcula) nucleola Casey **Turridae**

Microsurcula nucleola Casey, 1904, p. 155; Wenz, 1943, p. 1466

Raphitoma (Microsurcula) nucleola Casey, Harris, 1937, p. 77, pl. 13, figs. 20, 20a syntypes [not pl. 12 as given in text; fig. 20a, not 21a as given on expl. of pl.]

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Types.—Syntypes, No. 343738 USNM (fig. 20), No. 343737 USNM (fig. 20a)

Raphitoma (Microsurcula) nucleola veatchi Harris **Turridae**

Raphitoma (Microsurcula) nucleola veatchi Harris, 1937, p. 77, pl. 13, fig. 19; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Middle to upper Claiborne gr. (type)
Locality.—LA.: *Sabine Par.*, Sabine R. near Columbus (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130) (type)
Type.—Holotype, No. 2583 PRI

Raphitoma (Microsurcula) pannekoekae Harris **Turridae**

Raphitoma (Microsurcula) pannekoekae Harris, 1937, p. 78, pl. 13, fig. 21; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2585 PRI

Raphitoma rebeccae (Harris)
See *"Pleurotoma (Bela) rebeccae"* Harris

Raphitoma rebecella Harris **Turridae**

Raphitoma rebecella Harris, 1937, p. 79, pl. 13, fig. 25; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch Survey 1902 p. 129) (type)
Type.—Holotype, No. 2587 PRI

Raphitoma rignana de Gregorio
See *Surculoma tabulata rignana* (de Gregorio)

Raphitoma sabinia Harris **Turridae**

Raphitoma sabinia Harris, 1937, p. 78, pl. 13, figs. 22, 23; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N.; R. 13 W., Sabine Par., La., Outcrop 21 (Veatch Survey 1902 p. 129) (type)
Types.—Holotype, No. 2584a; paratype, No. 2584b PRI

Raphitoma specus (Aldrich) **Turridae**

Turris specus Aldrich, 1921, p. 6, pl. 1, figs. 4, 5; Le Blanc, 1942+, p. 144, pl. 18, figs. 10, 11

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr. (Le Blanc)
Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type). TEXAS: *Sabine Co.*, Bluff ¼ mi. downstream from Sabinetown Ferry, Sabine R. (Le Blanc)
Type.—Holotype, No. 12 GSATC

Raphitoma tabulata (Conrad)
See *Surculoma tabulata* (Conrad)

Raphitoma (Microsurcula) venusta (I. Lea) **Turridae**

Fusus venustus I. Lea, 1833, p. 146, pl. 5, fig. 148; H. C. Lea, 1849, p. 100; de Gregorio, 1890, p. 81, pl. 6, fig. 14 copy Lea; Harris, 1895b, p. 47; Palmer, 1937, p. 367 [turrid]
Sipho venusta (I. Lea), Conrad, 1865a, p. 17 [not under *Strepsidura* as in de Gregorio 1890, p. 81]
Raphitoma venusta (I. Lea), Cossmann, 1893, p. 46, pl. 2, fig. 17
Daphnella (Raphitoma) venusta (I. Lea), Cossmann, 1896b, p. 133
Microsurcula vetusta [*sic*] (I. Lea), Casey, 1904, p. 156, error for *venusta*
Raphitoma (Microsurcula) venusta (I. Lea), Harris, 1937, p. 76, pl. 13, figs. 14, 15; fig. 16 "*Mang. meridionalis*" No. 9525 ANSP; Brann and Kent, 1960, p. 767

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5758 ANSP

Retusa (Cylichnina) adamsi Palmer **Retusidae**

Cylichnina adamsi Palmer, 1937, p. 482, pl. 75, figs. 22, 23; Brann and Kent, 1960, p. 301

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City (type). LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon
Type.—Holotype, No. 3388 PRI

Retusa claibornensis (Aldrich)
See "*Atys*" *claibornensis* (Aldrich)

Retusa (Cylichnina) emoryi Gardner **Retusidae**

Cylichnina emoryi Gardner, 1935, p. 206, pl. 20, figs. 6, 7

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.
Locality.—TEXAS: *Maverick Co.*, 27 mi. SE. of Eagle Pass on the Windmill (Jacal) ranch road (type)
Type.—Holotype, No. 370928 USNM

Retusa (Cylichnina) galba (Conrad) **Retusidae**

Volvaria galba Conrad, 1833b, p. 34 (Harris reprint, 1893, p. 56); H. C. Lea, 1849, p. 107; Harris, 1895a, p. 20

Bulla St. Hillairii I. Lea, 1833, p. 98, pl. 4, fig. 78; Grateloup, 1837, p. 398 in part; H. C. Lea, 1849, p. 97; Tuomey, 1858, pp. 264, 273; Harris, 1895b, p. 43 = *Volvaria galba* Conrad

Bulla galba (Conrad), Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 40, pl. 15, fig. 14 (Harris reprint 1893, p. 96, pl. 15, fig. 14); d'Orbigny, 1850, p. 374

Cylichna galba (Conrad) Conrad, 1865a, p. 35; Conrad, 1866a, p. 9; not Aldrich, 1886, p. 53 = *C. sylvaerupis* Harris; Heilprin, 1879b, p. 222; Cossmann, 1893, p. 50

Bulla (Cylichna) galba (Conrad), de Gregorio, 1890, p. 168, pl. 17, figs. 1, 2, 5, 6, fig. 7 copy Conrad, fig. 8 copy *C. Saint Hillairi* Lea, not figs. 3, 4 = *Acteocina* sp.

Cylichna Saint-Hilairei [*sic*] (I. Lea), Cossmann, 1893, p. 49

Bullinella Saint-Hilairei [*sic*] (I. Lea), Cossmann, 1895b, p. 95

Bullinella (Cylichnina) galba (Conrad), Cossmann, 1895b, p. 96

Cylichnina galba (Conrad), Palmer, 1937, p. 480, pl. 75, figs. 27-30; Brann and Kent, 1960, p. 301

Retusa (Cylichnina) galba (Conrad), Glibert, 1962c, p. 57

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. MISS.: *Newton Co.*, Hickory; *Clarke Co.*, Wautubbee. TEXAS: *Sabine Co.*, Sabine R. opposite middle line of SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 22 (Veatch, 1902, p. 129); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City

Types.—Lectotype, No. 30548 ANSP and remaining specimens No. 30549 ANSP Moore, 1962, p. 62. Holotype *B. St. Hillairii* I. Lea, No. 5486 ANSP

Retusa (Cyclichnina) jacksonensis (Meyer) **Retusidae**

Cylichna Jacksonensis Meyer, 1886b, p. 77, pl. 2, fig. 25; Cossmann, 1893, p. 50 [as *jaksonensis sic*]

Bullinella jacksonensis (Meyer), Harris, 1894b, p. 158

Cylichnina jacksonensis (Meyer), Harris and Palmer, 1947, p. 450, pl. 64, figs. 3, 4; Brann and Kent, 1960, p. 301

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type). LA.: *Caldwell Par.*, ¾ mi. below Gibson Ldg., Ouachita R.; *Grant Par.*, Montgomery Ldg. ?, ½ mi. below ferry, Red R. ?. TEXAS: *Sabine Co.*, Sabine R. opposite center sec. 6, T. 3 N., R. 12 W., Sabine Par., La. (Veatch, 1902, p. 129). ARK.: See Harris, 1894b, p. 158 for localities

Type.—Holotype, No. 638838 USNM

Retusa (Cylichnina) jacksonensis exta (Harris) **Retusidae**

Bullinella jacksonensis exta Harris, 1894b, p. 158, pl. 6, fig. 3; Schuchert *et al.*, 1905, p. 109

Cylichnina jacksonensis exta (Harris), Harris and Palmer, 1947, p. 451, pl. 64, figs. 1, 2; Wilbert, 1953, p. 99; Brann and Kent, 1960, p. 301

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.

Localities.—ARK.: *Jefferson Co.*, White Bluff, Arkansas R. (type), S. and W. banks of Arkansas R. at White Bluff

Type.—Holotype, No. 135143 USNM

Retusa (Cylichnina) kellogii (Gabb) **Retusidae**

Bulla Kellogii Gabb, 1860d, p. 386, pl. 67, fig. 50

Cylichna kellogii (Gabb), Conrad, 1865a, p. 35; Conrad, 1866a, p. 9

Cylichna galba (Conrad), Heilprin, 1891a, p. 401 in part

Cylichnina Kellogii (Gabb), Palmer, 1937, p. 481, pl. 75, figs. 13, 21; pl. 90, fig. 11 type; Brann and Kent, 1960, p. 301

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr. (type depending on location of lectotype)

Localities.—TEXAS: *Robertson Co.*, "Wheelock" (Gabb, type) = Town Branch, Cedar Cr. near Wheelock; big branch Cedar Cr. E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City, probably = Cedar Cr., near Wheelock (per. com., 1958, Stenzel). For discussion of Gabb's type localities of "Wheelock" and "Caldwell" see Stenzel, Krause, and Twining, 1957. "*Caldwell Co.,*" (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R.; *Sabine Co.*, opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129). LA.: *Sabine Par.*, Fisher; *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon

Type.—Lectotype, No. 13266 ANSP

Retusa (Cylichnina) sylvaerupis (Harris) **Retusidae**

Cylichna galba (Conrad), Aldrich, 1886, p. 53. Not *Volvaria galba* Conrad, 1833b

Cylichna sylvaerupis Harris, 1899a, p. 8, pl. 1, fig. 12; Brann and Kent, 1960, p. 300

Cylichnina sylvaerupis (Harris), Palmer, 1937, p. 480

Bullinella sylvaerupis (Harris), Le Blanc, 1942^{+}, p. 155, pl. 19, figs. 12, 13

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clark Co.*, Woods Bluff, Tombigbee R. (type). TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R.

Type.—Holotype, No. 305 PRI

Retusa (Cylichnina) sp. **Retusidae**

Cylichna sp. Harris, 1896, p. 75, pl. 7, fig. 7 as "*Cylichna galba* ? Gabb"

Range.—Paleocene. Naheola fm., upper Midway gr.

Locality.—ALA.: *Choctaw Co.*, Naheola, Tombigbee R.

Type.—Figured specimen, No. 86 PRI

Retusa (Cylichnina) sp. **Retusidae**

Bullinella sp. Le Blanc, 1942⁺, p. 155, pl. 19, fig. 14

Range.—Paleocene. "Longansport fm." name preoccupied, middle Midway gr.
Locality.—LA.: *Natchitoches Par.*, road cut NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W along dirt road leading W. from La. Highway 404
Type.—Figured specimen, No. 3432 LSU Pal. Mus.

Rhinocantha (?) *Conradi* Whitfield
See *Papillina conradi* (Whitfield)

Rhinoclavis mediavia (Harris) **Cerithiidae**

Cerithium mediavia Harris, 1896, p. 107, pl. 11, figs. 3, 3a; Brann and Kent, 1960, p. 189

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Locality.—ALA.: *Barbour Co.*, R.R. cut 1⅓ mi. NE. of Clayton (type)
Type.—Holotype, No. 42 PRI

Rhinoclavis (Ochetoclava) ocalana (Dall) **Cerithiidae**

Cerithium ocalanum Dall, 1892, p. 279; Schuchert, *et al.*, 1905, p. 140

Range.—Upper Eocene. "Ocala ls." (type)
Locality.—Fla.: *Hernando Co.*, Martin Station (type)
Type.—Holotype, No. 113351 USNM

Rhizorus conradianus (Gabb) **Retusidae**

Volvula Conradiana Gabb, 1860d, p. 386, pl. 67, fig. 51; Conrad, 1865a, p. 35; Conrad, 1866a, p. 9
Volvulella Conradiana (Gabb), Palmer, 1937, p. 494, pl. 74, figs. 15-18; Brann and Kent, 1960, p. 978 under *conradiana*

Range.—Middle Eocene. Stone City beds, middle Claiborne gr. (Gabb, type) or Cook Mt. fm., upper Claiborne gr. (Gabb, type). Either horizon could be type depending on the locality of original type material. Cf. McBean fm., upper Claiborne gr.
Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R.; *Robertson Co.*, "Wheelock" (Gabb, type) = Cedar Cr., near Wheelock *fide* Stenzel, Krause, and Twining, 1957, p. 11. For additional localities in S.C., Ala., and Texas see Palmer, 1937, p. 494
Type.—Not found, Palmer, 1937, p. 494

Rhizorus loisae (Palmer) **Retusidae**

Volulella loisae Palmer, 1937, p. 495, pl. 74, figs. 3, 4; Brann and Kent, 1960, p. 978

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry, [Stone City Bluff], Brazos R. (type); *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W, Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, No. 3367 PRI

Cf. **Rhizorus minutissimus** (Gabb) **Retusidae**

Volvula minutissima Gabb, 1860d, p. 386, pl. 67, fig. 52; Conrad, 1865a, p. 35; Conrad, 1866a, p. 9

Volvulella minutissima (Gabb), Palmer, 1937, p. 493, pl. 74, figs. 9-12; Brann and Kent, 1960, pp. 978, 979

Volvulella cf. *minutissima* (Gabb), Harris and Palmer, 1947, p. 452 in part, not pl. 64, fig. 24. Not Brann and Kent, 1960, p. 979 see cf. *Rhizorus* sp.

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. (type). See Stenzel, Krause, and Twining, 1957, p. 11. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Type.—Holotype, No. 13267 ANSP

Cf. **Rhizorus smithvillensis** (Harris) **Retusidae**

Volvula ? smithvillensis Harris, 1895a, p. 54, pl. 3, fig. 8

Volvulella smithvillensis (Harris), Palmer, 1937, p. 494, pl. 74, fig. 8 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 35605 BEG

Rhizorus subradius (Meyer) **Retusidae**

Cylichna confr. *radius* Meyer, 1885a, p. 468. Not *Bulla radius* Deshayes, 1862, p. 626

Cylichna subradius Meyer, 1886b, p. 77, pl. 1, fig. 17 subgenus *Volvula*

Bulla (Volvula) subradius (Meyer), de Gregorio, 1890, p. 169, pl. 17, fig. 9 copy Meyer

Volvulella subradius (Meyer), Cossmann, 1893, p. 49; Palmer, 1937, p. 492, pl. 74, fig. 7 copy Meyer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Holotype, No. 638839 USNM

Cf. **Rhizorus volutatus** (Meyer and Aldrich) **Retusidae**

Cylichna volutata Meyer and Aldrich, 1886, p. 44, pl. 2, fig. 4

Volvulella volutata (Meyer and Aldrich), Cossmann, 1893, p. 49; Palmer, 1937, p. 492, pl. 74, figs. 13, 14; Gardner, 1945, p. 262, pl. 27, figs. 28, 29 holotype; Brann and Kent, 1960, p. 979

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton (type), Indian Mound, 3 mi. E. of Newton; Hickory; *Clarke Co.*, Wautubbee; about 8 mi. E. of Enterprise. ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.

Type.—Holotype, No. 644577 USNM

Cf. Rhizorus wellsi Palmer **Retusidae**

Volvulella wellsi Palmer, 1937, p. 494, pl. 74, figs. 5, 6; Brann and Kent, 1960, p. 979

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. (type)
Types.—Holotype, No. 3360; paratype, No. 3361 PRI

Cf. Rhizorus sp. **Retusidae**

Volvulella cf. *minutissima* (Gabb), Harris and Palmer, 1947, p. 452 in part, pl. 64, fig. 24; Brann and Kent, 1960, p. 979

Range.—Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Figured specimen, No. 20026 PRI

Rictaxis annectens (Meyer)
See *Acteon annectens* Meyer

Rictaxis pomilius (Conrad)
See *Acteon pomilius* Conrad

Rictaxis punctatus (I. Lea)
See *Acteon pomilius punctatus* I. Lea

Rimella laqueata (Conrad)
See *Ectinochilus laqueatum* (Conrad)

Rimella proruta (Conrad)
See *Leiorhinus prorutus* (Conrad)

Rimella rugostoma Johnson
See *Dientomochilus (Dasyostoma) rugostomum* (Johnson)

Rimella smithii Dall **Strombidae**

Rostellaria (Rimella) Smithii Dall, 1890, p. 172, pl. 10, figs. 4, 6; Aldrich, 1894b, p. 244
Rimella smithii Dall, Schuchert, *et al.*, 1905, p. 577 not Oligocene as stated
Dientomochilus Smithi (Dall), Cossmann, 1904b, p. 40 "lower Eocene"

Range.—Upper Eocene. "Ocala ls.", Ocala gr. Not Oligocene as in Schuchert, *et al.*, 1905
Localities.—FLA.: *Marion Co.*, Martin Station (type); Richard's quarry, Ocala
Types.—Lectotype, No. 112221 (1st specimen) USNM herein designated; lectoparatypes, Nos. 112221 (2d specimen), 112222, 112493 USNM herein designated

Rimella stephensoni Stenzel *in* Renick and Stenzel, 1931, p. 102; Plummer, F. B., 1933, p. 663 is a *nomen nudum fide* Palmer, 1937, p. 247

Rimella texana Harris
See *Ectinochilus texanum* (Harris)

Rimella texana plana Harris
See *Ectinochilus texanum cherokense* Palmer

Ringicula alabamensis Aldrich **Ringiculidae**

Ringicula alabamensis Aldrich, 1897a, p. 9, pl. 2, figs. 8, 8a; cf. Gardner, 1935, p. 210 similar

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.; ? Wills Point fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R. (type). ? TEXAS: *Bastrop Co.*, 3 mi. SW. of Cedar Creek Post Office
Type.—Holotype, No. 638797 USNM

Ringicula biplicata (I. Lea) **Ringiculidae**

Marginella biplicata I. Lea, 1833, p. 201, pl. 6, fig. 216; H. C. Lea, 1849, p. 101; Harris, 1895b, p. 7
Ringicula biplicata (I. Lea), Conrad, 1865a, p. 35; Conrad, 1866a, p. 9; de Gregorio, 1890, p. 167, pl. 16, figs. 26-29 var. *vilmade* de Gregorio; figs. 30, 31 var. *pita* de Gregorio; figs. 32, 33 var. *leuca* de Gregorio; fig. 34 copy I. Lea; Dall, 1890, p. 56; Cossmann, 1893, p. 50; Cossmann, 1895b, p. 114; Aldrich, 1895b, p. 5, pl. 1, fig. 9; Aldrich, 1897a, p. 8, pl. 2, fig. 12; Palmer, 1937, p. 475, pl. 73, fig. 2 copy Aldrich, figs. 6, 9, 12; pl. 90, fig. 19 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Lectotype (broken), No. 6009 ANSP

Ringicula butleriana Aldrich **Ringiculidae**

Ringicula butleriana Aldrich, 1895b, p. 5, pl. 1, fig. 8; Aldrich, 1897a, p. 8, pl. 2, fig. 14; Harris, 1899a, p. 10, pl. 1, fig. 15 copy Aldrich

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Choctaw Co.*, ½ mi. S. of Butler (type *fide* Harris, 1899a); *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Holotype, No. 638952 USNM

Ringicula butleriana lignitifera Aldrich **Ringiculidae**

Ringicula butleriana lignitifera Aldrich, 1897a, pp. 9, 10, pl. 2, fig. 9; Harris, 1899a, p. 9, pl. 1, fig. 14 copy Aldrich

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R.; Bells Ldg., Alabama R. (type)
Type.—Holotype, No. 638980 USNM

Ringicula claibornensis Aldrich **Ringiculidae**

Ringicula claibornensis Aldrich, 1897a, p. 9, pl. 2, fig. 10; Cossmann, 1899b, p. 184; Palmer, 1937, p. 478, pl. 73, fig. 1 holotype, figs. 4, 5

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638978 USNM

Ringicula dalli Clark **Ringiculidae**

Ringicula dalli Clark, 1895, p. 4; Clark, 1896, p. 64, pl. 9, figs. 3a, 3b; Aldrich, 1897a, p. 8, pl. 2, fig. 6 type; Clark and Martin, 1901, p. 124, pl. 20, fig. 3, 3a copy holotype; Gardner, 1935, p. 211; Shimer and Shrock, 1944, p. 515, pl. 212, figs. 5, 6 copies Clark and Martin

Range.—Lower Eocene. Nanjemoy fm. (type)

Locality.—VA.: *King George Co.,* Woodstock (type)

Type.—Holotype, USNM

Ringicula lisbonensis Aldrich **Ringiculidae**

Ringicula lisbonensis Aldrich, 1897a, pp. 8, 9, pl. 2, fig. 11; Cossmann, 1899b, p. 184; Palmer, 1937, p. 478, pl. 73, fig. 3 holotype

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.,* base of Claiborne Bluff, Alabama R. (type)

Type.—Aldrich, 1897a, pl. 2, fig. 11 not in USNM, 1964. No. 638977 USNM 2 specimens from JHU labelled "Type."

Ringicula trapaquara Harris **Ringiculidae**

Ringicula trapaquara Harris, 1895a, p. 53, pl. 3, fig. 7; Aldrich, 1897a, p. 8, pl. 2, fig. 7; Gardner, 1935, p. 211 Moseley's Ferry type locality; Palmer, 1937, p. 476, pl. 73, fig. 8 holotype

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Localities.—TEXAS: *Burleson Co.,* San Antonio Ferry (type Harris, 1893 ms.), Brazos R. = Moseley's Ferry [Stone City Bluff]. See Stenzel, Krause, and Twining, 1957, p. 10; *Lee Co.,* between Orells and Evergreen Crossing, Elm Cr.; *Sabine Co.,* Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Type.—Holotype, No. 35572 BEG

Ringicula trapaquara deusseni Gardner **Ringiculidae**

Ringicula trapaquara deusseni Gardner, 1927, p. 376, fig. 40; Palmer, 1937, p. 477, pl. 73, figs. 7, 10, 11, 13; Brann and Kent, 1960, p. 774; Glibert, 1962c, p. 36 not "Wachita River (Idaho, U.S.A.)" as in Glibert = Ouachita R., La.

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.; Wheelock mem., Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Wilson Co.,* 4 mi. SE. of Floresville (type); *Brazos Co.,* Little Brazos R., 2½ mi. above Stone City; *Sabine Co.,* Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La. Outcrop 21 (Veatch, 1902, p. 129). LA.: *Ouachita Par.,* Lapiniere Ldg., E. bank Ouachita R.; Brewer's, 1200 ft. Monroe; *Sabine Par.,* Fisher

Type.—Holotype, No. 369236 USNM

Ringicula sp. **Ringiculidae**
Ringicula sp. Gardner, 1935, p. 211

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bexar Co.*, Jett Crossing on the Medina R., 3 mi. below Garza Crossing
Type.—Unfigured specimen probably USNM

Ringicula sp. **Ringiculidae**
Ringicula sp. Gardner, 1935, p. 211

Range.—Paleocene.
Locality.—TEXAS: *Bexar Co.*, well depth 659-680 ft.
Type.—Unfigured specimen probably USNM

Rissoa cancellata (H. C. Lea)
See *Acrocoelum cancellatum* (H. C. Lea)

Rissoa sulcata (I. Lea)
See *Actaeonema sulcatum* (I. Lea)

Rissoa (Alvania) ziga de Gregorio
See *Turboella ziga* (de Gregorio)

Rissoia ? [*sic*] *trigemmata* (Conrad)
See *Elimia trigemmata* (Conrad)

Rissoina alabamensis Aldrich **Rissoidae**
Rissoina alabamensis Aldrich, 1895b, p. 14, pl. 2, fig. 8; Harris, 1896, p. 115, pl. 12, fig. 7

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Locality.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden (type)
Type.—Holotype, No. 638954 USNM

Rissoina ? cancellata (H. C. Lea)
See *Acrocoelum cancellatum* (H. C. Lea)

Rissoina (Leaella) cossmanni (Aldrich) **Rissoidae**
Rissoina notata Cossmann, 1893, p. 27, pl. 1, fig. 34. Not *Pasithea notata* I. Lea, 1833
Eulima cossmanni Aldrich, 1910b, p. 75
Rissoina (Leaella) notata Cossmann, Cossmann, 1921b, pp. 91, 92, pl. 3, figs. 59, 60. Not *Pasithea notata* I. Lea, 1833
Rissoina (Leaella) cossmanni (Aldrich), Palmer, 1937, pp. 61, 154, pl. 6, fig. 4

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 9070 Lab. Géol., Sorbonne, Paris

Rissoina mississippiensis Meyer **Rissoidae**

Rissoina mississippiensis Meyer, 1886b, p. 69, pl. 2, fig. 17; Dall, 1892, pp. 342, 343; Harris and Palmer, 1947, p. 266, pl. 30, fig. 8 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638819 USNM

Rissoina notata Cossmann
See *Rissoina (Leaella) cossmanni* (Aldrich)

Rissoina plicato-varicosa Heilprin
See *"Alaba" plicatovaricosa* (Heilprin)

"Rostellaria alveata Con." in Tuomey, 1858, p. 267; *Rostellaria (Calyptraphorus* [*sic*]*) alveata* Aldrich, 1886, p. 44 are *nomina nuda.* No specific name of *alveata* with *Rostellaria* or related genus was described by Conrad or other author from the Eocene. The confusion of names has not been determined.

Rostellaria (Hippocrenes) Columbaria DeFrance, Aldrich, 1894b, p. 244
See *Calyptraphorus* sp.

Rostellaria cuvieri I. Lea
See *Ectinochilus laqueatum* (Conrad)

Rostellaria extenta Conrad
See *Platyoptera extenta* (Conrad)

Rostellaria Lamarckii I. Lea
See *Calyptraphorus velatus* (Conrad)

Rostellaria laqueata Conrad
See *Ectinochilus laqueatum* (Conrad)

Rostellaria nobilis Whitfield
See cf. *Clavilithes nobilis* (Whitfield)

Rostellaria (Leiorhinus) proruta (Conrad)
See *Leiorhinus prorutus* (Conrad)

Rostellaria (Calyptraphorus) quidest de Gregorio
See *Calyptraphorus velatus* (Conrad)

Rostellaria (Rimella) Smithii Dall
See *Rimella smithii* Dall

Rostellaria staminea Conrad
See *Calyptraphorus stamineus* (Conrad)

Rostellaria (Calyptraphorus) trinodifera Conrad
See *Calyptraphorus trinodiferus* Conrad

Rostellaria velata (Conrad)
See *Calyptraphorus velatus* (Conrad)
See also *Calyptraphorus velatus compressus* Aldrich
See also *Calyptraphorus stamineus* (Conrad) Jackson Eocene

Rostellaria (Calyptraphorus) velata compressa Aldrich
See *Calyptraphorus velatus compressus* Aldrich

Rostellaria whitfieldi Heilprin
See *Dirocerithium whitfieldi* (Heilprin)

Rostellaria sp. Smith and Johnson, 1887
See *Calyptraphorus velatus compressus* (Aldrich)

Rostellaria young Conrad *in* Wailes, 1854, pl. 16 [17], fig. 9
See *Calyptraphorus stamineus* Conrad

Rostellites biconicus Whitfield
See cf. *Scaphella* ( ) *biconica* (Whitfield)

Rotella nana I. Lea
Miocene, not Eocene as listed by Conrad, 1865a, p. 34; Conrad, 1866a, p. 11; de Gregorio, 1890, p. 140 *fide* Palmer, 1937, p. 45

Rotella (Helcion) pigmaea (I. Lea)
See *Hipponix pygmaeus* I. Lea

Rouaultia engonata (Conrad)
See *Cochlespira engonata* Conrad

Rudiscala harrisi Palmer **Scalariidae** (Scalidae, Epitoniidae)

Scala sp. Harris, 1899a, p. 96, pl. 12, fig. 8; Brann and Kent, 1960, p. 780.
Not *Epitonium multiliniferum* Aldrich, 1921, p. 11, pl. 1, fig. 16 as suggested by Aldrich
Rudiscala harrisi Palmer, 1937, p. 107, pl. 8, fig. 18; Brann and Kent, 1960, p. 778

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 1380 PRI

Rudiscala sessilis (Conrad) **Scalariidae** (Scalidae, Epitoniidae)

Scalaria sessilis Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 340 [interchanged with *S. nassula*]; Harris, 1895b, p. 41
Scalaria planulata I. Lea, 1833, p. 115, pl. 4, fig. 103, not fig. 102; H. C. Lea, 1849, p. 105; de Gregorio, 1890, p. 128 in part, not pl. 11, fig. 29 copy Lea [= *S. carinata* Lea see *Cirsotrema nassulum* (Conrad)]; Cossmann, 1893, p. 24; Harris, 1895b, p. 35
Not *Scalaria elegans* H. C. Lea, 1841, p. 95, pl. 1, fig. 6 young (= *Turbonilla* sp.); not H. C. Lea, 1849, p. 105; de Gregorio, 1890, p. 129 in part, not pl. 11, fig. 39 copy H. C. Lea (= *Turbonilla* sp.). Not *S. elegans* Risso, 1826, p. 113; not d'Orbigny, 1840a, p. 389 not 1846-1847 as in Palmer, 1937. See Harris and Palmer, 1947, p. 245
? *Scalaria venusta* H. C. Lea, 1841, p. 95, pl. 1, fig. 7; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 47 = *S. sessilis* Conrad. Not Muenster, 1841, p. 103; not Libassi, 1859, p. 24 as *ventusta*
Scala (Opalia) sessilis (Conrad), Conrad, 1865a, p. 27 in part; Conrad, 1866a, p. 14
Scala planulata (I. Lea), Conrad, 1865a, p. 27; Conrad, 1866a, p. 14
Scalaria (Opalia) carinata I. Lea, de Gregorio, 1890, p. 129 pl. 11, fig. 31 copy *planulata* I. Lea, fig. 37 copy *S. venusta* H. C. Lea

Not *Scala sessilis* (Conrad), Clark and Martin, 1901, p. 154, pl. 27, fig. 11 = *Rudiscala* sp.
Scala (Bifidoscala) planulata (I. Lea), deBoury, 1910, p. 220
Acrilloscala (Bifidoscala) planulata (I. Lea), Cossmann, 1912b, p. 67
Rudiscala sessilis (Conrad), Palmer, 1937, p. 105, pl. 10, fig. 16; pl. 79, fig. 3 Conrad type; not fig. 5 = *S. elegans* H. C. Lea; fig. 12 = *S. venusta* H. C. Lea; fig. 14 = *S. planulata* I. Lea; Brann and Kent, 1960, p. 778

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype + 1 specimen, No. 15400 ANSP Moore, 1962, p. 96. Holotype *Scalaria planulata* I. Lea No. 5560 ANSP. Holotype *Scalaria venusta* H. C. Lea No. 13176 ANSP

Rudiscala sp. **Scalariidae** (Scalidae, Epitoniidae)

Scala sessilis (Conrad), Clark and Martin, 1901, p. 154, pl. 28, fig. 11. Not Conrad, 1833c, p. 45

Range.—Paleocene. Aquia fm.
Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr.
Type.—Figured specimen USNM

Ruscula extricata Casey
See *Latirus extricatus* (Casey)

Ruscula plicata (I. Lea)
See *Latirus plicatus* (I. Lea)

Sagenella bellalvirata [*sic*] (Gabb)
See *Dorsanum bellaliratum* (Gabb)

Sagenella texana Conrad, 1865a, p. 21; Conrad, 1866a, p. 18. Not *Phos texanus* Gabb, 1860d = *Buccitriton texanum* *nomen nudum fide* Palmer, 1937, p. 316

Sanellina [*sic*] *maclurii* (Conrad)
See *Ranellina maclurii* (Conrad)

Scala (Elegantiscala) aldrichi deBoury
See *Epitonium (Elegantiscala) aldrichi* (deBoury)

Scala carinata (I. Lea), Clark and Martin, 1901
See *Cirsotrema* sp.

Scala (Cirsotrema) claibornensis Conrad
See *Cirsotrema (Coroniscala) claibornense* (Conrad)

Scala dolosa Aldrich
See *Scalina dolosa* (Aldrich)

Scala dormitor Conrad, 1865a, p. 27; Conrad, 1866a, p. 14; Palmer, 1937, p. 112 is a *nomen nudum*

Scala exquisita Aldrich
See *Epitonium exquisitum* (Aldrich)

Scala lintea Conrad
See *Cirsotrema (Coroniscala) linteum* (Conrad)

Scala (Cirsotrema) ? *nassula* Conrad
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Scala (Parviscala) newtonensis (Meyer and Aldrich)
See *Cirsotrema (Coroniscala) newtonense* (Meyer and Aldrich)

Scala (Cirsotrema) octolineata Conrad
See *Cirsotrema (Coroniscala) octolineatum* (Conrad)

Scala octolineata Conrad, Aldrich, 1897a. Not *Scala octolineata* Conrad, 1860
See *Cirsotrema (Coroniscala) danvillense* Palmer

Scala (Bifidoscala) planulata (I. Lea)
See *Rudiscala sessilis* (Conrad)

Scala potomacensis (Clark and Martin)
See *Epitonium potomacense* (Clark and Martin)

Scala quinquefasciata (I. Lea)
See *"Scalaria" quinquefasciata* I. Lea

Scala ranellina Dall
See *Cirsotrema (Coroniscala) ranellinum* (Dall)

Scala (Opalia) sessilis (Conrad)
See *Rudiscala sessilis* (Conrad)

Scala sessilis (Conrad), Clark and Martin, 1901. Not Conrad, 1833c
See *Rudiscala* sp.

Scala (Scalina) staminea (Conrad)
See *Scalina staminea* (Conrad)

Scala unilineata (Heilprin)
See *Acrilla unilineata* (Heilprin)

Scala vetusta Aldrich
See *Epitonium vetustum* (Aldrich)

Scala virginiana Clark
See *Epitonium virginianum* (Clark)

Scala, n. sp. deBoury, 1910
See *Epitonium (Elegantiscala) aldrichi* (deBoury)

Scala sp. Harris, 1899a in part
See *Rudiscala harrisi* Palmer

Scala sp. Harris, 1899a in part
See *Epitonium* sp.

Scala sp. Harris, 1894b
See *Epitonium* sp.

Scalaria (Opalia) albitesta Meyer and Aldrich
See *Pliciscala (Cylindriscala) albitesta* (Meyer and Aldrich)

Scalaria annulata Morton
See *Epitonium annulatum* (Morton)

Scalaria (Cirsotrema) bella Harris, 1895b, p. 7 is a *nomen nudum;* Palmer, 1937, p. 112
See *Cirsotrema nassulum* (Conrad)

Scalaria carinata I. Lea
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Scalaria (Opalia) carinata I. Lea, de Gregorio, 1890
See *Cirsotrema (Coroniscala) nassulum* (Conrad)
See also *Rudiscala sessilis* (Conrad)

Scalaria (Cirsotrema) claibornensis (Conrad)
See *Cirsotrema (Coroniscala) claibornense* (Conrad)

Scalaria elegans H. C. Lea, 1849
See *Turbonilla* sp.
See also under *Rudiscala sessilis* (Conrad)

Scalaria elegans H. C. Lea, de Gregorio, 1890. Not *S. elegans* H. C. Lea, 1841
See "*Scalaria*" spp.
See also under *Rudiscala sessilis* (Conrad)

Scalaria gracilior Meyer
See *Acirsa (Hemiacirsa) gracilior* (Meyer)

Scalaria kinkelini Meyer
See *Ottoina kinkelini* (Meyer)

Scalaria nassula Conrad
See *Cirsotrema (Coroniscala) nassulum* (Conrad)

Scalaria nassula Conrad, Conrad, 1856a
See *Cirsotrema (Coroniscala)* sp.

Scalaria nassuta [*sic*] Conrad, Conrad *in* Wailes, 1854
See *Cirsotrema (Coroniscala)* sp.

Scalaria newtonensis Meyer and Aldrich
See *Cirsotrema (Coroniscala) newtonense* (Meyer and Aldrich)

Scalaria octolineata (Conrad)
See *Cirsotrema (Coroniscala) octolineatum* (Conrad)

Scalaria octolineata (Conrad), Aldrich, 1885b. Not Conrad, 1860
See *Cirsotrema (Coroniscala) spillmani* (Aldrich)

Scalaria pearlensis Meyer
See *Pliciscala pearlensis* (Meyer)

Scalaria planulata I. Lea
See *Rudiscala sessilis* (Conrad)

Scalaria planulata I. Lea, de Gregorio, 1890. Not. *S. planulata* I. Lea, 1833
See *Cirsotrema (Coroniscala) nassulum* (Conrad) in part
See also *Rudiscala sessilis* (Conrad)
See also "*Scalaria*" spp.

Scalaria (Eglisia) pulchra (Meyer)
See *Acrocoelum cancellatum* (H. C. Lea)

"Scalaria" quinquefasciata I. Lea **Scalariidae** (Scalidae, Epitoniidae)

Scalaria quinquefasciata I. Lea, 1833, p. 116; de Gregorio, 1890, p. 130 in part

Scala quinquefasciata (I. Lea), Conrad, 1865a, p. 27; Conrad, 1866a, p. 14

"Scalaria" quinquefasciata I. Lea, Palmer, 1937, p. 111
See also *Cirsotrema (Coroniscala) nassulum* (Conrad)

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—No. 5568 ANSP labelled *S. quinquefasciata*, type questioned by Harris, 1895c ms. 5569 not *S. quinquefasciata* = *Cirstotrema nassulum* (Conrad)

Scalaria sessilis Conrad
See *Rudiscala sessilis* (Conrad)

Scalaria Spillmani Aldrich, 1885b
See *Cirsotrema (Coroniscala) spillmani* Aldrich

Scalaria staminea Conrad
See *Scalina staminea* (Conrad)
See also *Mathilda retiscupta* (Meyer and Aldrich)

Scalaria staminea (Conrad), de Gregorio, 1890 in part. Not *S. staminea* (Conrad), 1860
See *Mathilda retiscupta* (Meyer and Aldrich)
See also *Tenuiscala aspersa* (Meyer)

Scalaria tenuilirata Whitfield
See *Epitonium tenuiliratum* (Whitfield)

Scalaria trigemmata Conrad
See *Elimia trigemmata* (Conrad)

Scalaria unilineata Heilprin
See *Acrilla unilineata* (Heilprin)

? *Scalaria venusta* H. C. Lea
See *Rudiscala sessilis* (Conrad)

"Scalaria" spp.

Scalaria elegans H. C. Lea, de Gregorio, 1890, p. 129 in part, pl. 11, fig. 28. Not *S. elegans* H. C. Lea, 1841 see *Turbonilla* sp.

Scalaria planulata I. Lea, de Gregorio, 1890, p. 128 in part, pl. 11, fig. 30.
Not *S. planulata* I. Lea, 1833 see *Cirsotrema nassulum* (Conrad), 1833b. Supposedly Gosport sd. species. Not identifiable from illustrations.

Scalina dolosa (Aldrich) **Scalariidae** (Scalidae, Epitoniidae)

Scala dolosa Aldrich, 1907, p. 11, pl. 1, fig. 13

Cf. *Epitonium (Ferminoscala ?) dolosum* (Aldrich), Gardner, 1935, p. 278, pl. 23, fig. 7

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Locality.—ALA.: *Wilcox Co.*, near Grave Yard Hill [Allentown] (type). Cf. TEXAS: *Bastrop Co.*, 4 mi. below Webberville, Colorado R. (USGS Stas. 11914, 11696, 12112); 4½-4¾ mi. below Webberville, Colorado R. (USGS Stas. 11913, 10527, 11890)
Type.—Holotype, No. 639049 USNM

Scalina staminea (Conrad) **Scalariidae** (Scalidae, Epitoniidae)
Scalaria staminea Conrad, 1860, p. 294; de Gregorio, 1890, p. 130 in part; ? Heilprin, 1891a, p. 400; Harris, 1895b, p. 42
Scala (Scalina) staminea (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 14
Scalina staminea (Conrad), Palmer, 1937, p. 102, pl. 8, fig. 16 copy type
Scalina sp. cf. *S. staminea* (Conrad), Gardner, 1945, p. 147 in part, Mexico

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 15394 ANSP, Moore, 1962, p. 98

Scalina trapaquara (Harris) **Scalariidae** (Scalidae, Epitoniidae)
Tenuiscala trapaquara Harris, 1895a, p. 76, pl. 8, fig. 7
Scalina trapaquara (Harris), Palmer, 1937, p. 103, pl. 8, fig. 24 holotype, figs. 26, 29-31; Brann and Kent, 1960, p. 780

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; cf. Weches fm., middle Claiborne gr.; cf. McBean fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry Stone City Bluff, Brazos R. (type *fide* Harris, 1893a ms.); cf. *Bastrop Co.*, Smithville, Colorado R. Cf. S.C.: *Orangeburg Co.*, Orangeburg district. Cf. LA.: exact locality unknown
Type.—Holotype, No. BEG 35589

Scalina trapaquara adamsi Palmer **Scalariidae** (Scalidae, Epitoniidae)
Scalina trapaquara adamsi Palmer, 1937, p. 104, pl. 8, figs. 27, 28; Brann and Kent, 1960, p. 781

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City (type)
Type.—Holotype, No. 2737 PRI

Scalina trapaquara engona (Harris) **Scalariidae** (Scalidae, Epitoniidae)
Tenuiscala trapaquara engona Harris, 1895a, p. 76, pl. 8, fig. 8
Scalina trapaquara engona (Harris), Palmer, 1937, p. 103, pl. 8, fig. 21; fig. 25 holotype; Brann and Kent, 1960, p. 781

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt., upper Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type). MISS.: *Clarke Co.*, Wautubbee
Type.—Holotype, No. 35631 BEG

Scaphander alabamensis Aldrich **Scaphandridae**

Scaphander alabamensis Aldrich, 1895b, p. 6, pl. 2, fig. 2; Harris, 1899a, p. 7, pl. 1, fig. 9

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)
Type.—Holotype, No. 638927 USNM

Scaphander grandis (Aldrich)
See *Lithophysema grande* (Aldrich)

Scaphander jacksonensis Palmer **Scaphandridae**

Scaphander primus Aldrich, Meyer, 1887a, p. 15; Aldrich, 1895b, p. 6, pl. 2, figs. 1, 1a
Not *Scaphander primus* Aldrich, 1885a, p. 148, pl. 2, figs. 7a, 7b; Aldrich, 1886, p. 35, pl. 2, figs. 7a, 7b copy Aldrich, 1885a; Dall, 1890, p. 17; Dall, 1915, p. 34 (in part = *S. ballistus* Mansfield, 1937, p. 75, pl. 1, figs. 5, 6). Oligocene
Scaphander jacksonensis Palmer, Harris and Palmer, 1947, p. 449, pl. 64, figs. 6, 7; Brann and Kent, 1960, p. 781

Range.—Upper Eocene. Moodys Branch fm., (type), lower Jackson gr.; Yazoo cl., upper Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson, Town Creek (type); Moodys Branch, cut on G.M. & N. RR. NE. of freight station about 1 mi. SW. of City Water Works, Jackson; *Clarke Co.*, Garland Cr., near Shubuta
Types.—Holotype, No. 20015; paratypes, Nos. 20016, 20017 PRI

Scaphander ligniticus Aldrich **Scaphandridae**

Scaphander ligniticus Aldrich, 1897a, p. 11, pl. 2, fig. 4; Harris, 1899a, p. 8, pl. 1, fig. 10; ? Gardner, 1935, p. 207; Brann and Kent, 1960, p. 781

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type); 1¼ mi. WSW. of Choctaw Corner; Woods Bluff, Tombigbee R.; *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R. ? TEXAS: (Gardner)
Type.—Not in USNM, 1964

Scaphander primus Aldrich, Meyer, 1887a; Aldrich, 1895b. Not Aldrich, 1885a Oligocene
See *Scaphander jacksonensis* Palmer

Scaphander richardsi Palmer **Scaphandridae**

Scaphander richardsi Palmer *in* Richards and Palmer, 1953, p. 40, pl. 6, figs. 1-4, 12

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, a road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7635; paratypes, I-7636-39 Fla. Geol. Sur.

Scaphander sp. **Scaphandridae**

Scaphander sp. Gardner, 1935, p. 207

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm., upper Midway gr.

Localities.—TEXAS: *Bastrop Co.*, small branch Cedar Creek, ½ mi. NE. of crossing on Austin-Red Rock road; Colorado R., 4 mi. below Webberville

Types.—Unfigured specimens probably USNM

Cf. **Scaphella** (   ) **biconica** (Whitfield) **Volutidae**

Rostellites biconicus Whitfield, 1892, p. 183, pl. 23, figs. 10, 11; Whitfield, 1899, p. 175; Weller, 1907, p. 788, pl. 97, figs. 5-8

Range.—Lower Eocene. Manasquan fm. (type)

Localities.—N.J.: *Monmouth Co.*, Squankum (type); near Farmingdale

Type.—Columbia Univ. (Whitfield, 1899, p. 175); not AMNH, 1964

Scaphella demissa Conrad "var."
See *Caricella demissa* (Conrad) "var."

Scaphella (Caricella) heilprini Dall
See *Caricella heilprini* Dall

Cf. **Scaphella intermedia** (Whitfield) **Volutidae**

Volutoderma intermedia Whitfield, 1892, p. 184, pl. 23, figs. 14, 15; Whitfield, 1899, p. 178; Johnson, 1905, p. 25; Weller, 1907, p. 779, pl. 92, fig. 3 type

Range.—Lower Eocene. Manasquan fm. (type)

Locality.—N.J.: *Burlington Co.*, near Vincentown (type)

Types.—Syntypes, No. 14393 ANSP

Scaphella (Caricella) leana Dall
See *Caricella leana* Dall

Cf. **Scaphella newcombiana** (Whitfield) **Volutidae**

Voluta Newcombiana Whitfield, 1865, p. 263, pl. 27, fig. 12; Aldrich, 1886, pp. 55, 58; Aldrich, 1887, p. 81; Dall, 1890, p. 69; Harris, 1899a, p. 35, pl. 4, fig. 4a; Brantly, 1920, p. 153; Le Blanc, 1942$^+$, p. 136, pl. 16, figs. 12, 13; pl. 17, figs. 1, 2; Brann and Kent, 1960, p. 977

Voluta (Scaphella) Newcombiana Whitfield, de Gregorio, 1890, p. 65, pl. 5, fig. 6 copy Whitfield. Not Whitfield, 1892, p. 211, pl. 32, figs. 1-3; not Whitfield, 1899, p. 177 see cf. *Scaphella* sp.

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr.; Nanafalia fm., lower Wilcox [Sabine] gr.; Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, "six miles above Claiborne" (Whitfield, type), probably Bells Ldg., Alabama R. *fide* Harris, 1899a, p. 35; *Wilcox Co.*, Yellow Bluff, Alabama R.; *Marengo Co.*, Nanafalia, Tombigbee R. LA.: *Natchitoches Par.*, L. E. Place's farm NE. ¼ NW. ¼ sec. 22, T. 9 N., R. 10 W.; road

cut center NE. ¼ NE. ¼ sec. 19, T. 9 N., R. 8 W. TEXAS: *Sabine Co.*, about ¼ mi. upstream from bridge over Sabine R. on La. Highway 6
Type.—Holotype, No. UC 24506 CNHM

Scaphella (Eucymba) ocalana Dall
See *Eucymba* sp.
See also under *Eucymba ocalana* Dall

Scaphella (Eucymba) ocalana Dall, Kellum, 1926. Not Dall, 1890
See *Eucymba* sp.

Cf. **Scaphella parvula** (Whitfield) **Volutidae**
Voluta parvula Whitfield, 1892, p. 208, pl. 31, figs. 1-4, ? 5; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, AMNH *fide* Whitfield, 1899, p. 177; not found AMNH July, 1964

Cf. **Scaphella perelevata** (Whitfield) **Volutidae**
Voluta perelevata Whitfield, 1892, p. 208, pl. 30, figs. 4-6; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, No. 9747/1 AMNH

Scaphella (Caricella) podogrina Dall
See *Caricella podogrina* Dall

Scaphella scaphoides (Whitfield) **Volutidae**
Voluta scaphoides Whitfield, 1892, p. 209, pl. 31, figs. 6-8; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Type.—Holotype, not at AMNH, 1964; not found Rutgers, 1965

Scaphella showalteri (Aldrich) **Volutidae**
Voluta showalteri Aldrich, 1886, p. 28, pl. 3, fig. 14
Scaphella showalteri (Aldrich), Dall, 1890, p. 80; Harris, 1896, p. 81, pl. 7, fig. 21; Cossmann, 1899b, p. 127; Brann and Kent, 1960, p. 783
Voluta (Caricella) Showalteri Aldrich, de Gregorio, 1890, p. 69, pl. 5, fig. 21
Maculopeplum showalteri (Aldrich) ?, Gardner, 1935, p. 243

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., sec. 12, T. 12 N., R. 6 E., 9 mi. W. of Camden (type); *Choctaw Co.*, Naheola Ldg., Tombigbee R.; Dales Branch, near Oak Hill
Type.—Holotype, No. 638773 USNM

Scaphella (Caricella) subangulata Conrad
See *Caricella subangulata* Conrad

Cf. **Scaphella** sp. **Volutidae**

Scaphella sp. Harris, 1896, p. 82, pl. 7, fig. 23; Brann and Kent, 1960, p. 783

Range.—Paleocene. Midway gr.
Locality.—MISS.: *Tippah Co.*, ½ mi. N. of Ripley
Type.—Figured specimen, No. 96 PRI

Cf. **Scaphella** sp. **Volutidae**

Voluta (Scaphella) Newcombiana Whitfield, 1892, p. 211, pl. 32, figs. 1-3; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml., upper Claiborne gr.
Locality.—N.J. *Monmouth Co.*, Shark R.
Type.—Figured specimen, not AMNH, 1964; not Rutgers, 1965

Scaphella sp. **Volutidae**

Maculopeplum sp. Gardner, 1935, p. 244

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R. section, 1½ mi. below Travis-Bastrop Co. line (USGS Sta. 11914)
Type.—Unfigured specimen, presumably USNM

Cf. **Scaphella** sp. **Volutidae**

Voluta sp. Harris, 1899a, p. 35, pl. 4, fig. 3; Brann and Kent, 1960, p. 977

Range.—Lower Eocene. Bashi mem., Hatchetigbee Bluff, upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.*, Yellow Bluff, Alabama R.
Type.—Figured specimen, No. 262 PRI

Sceptrum marylandicum (Clark and Martin) **Vasidae**

Tudicla marylandica Clark and Martin, 1901, p. 137, pl. 23, figs. 1, 1a, 1b
Sceptrum marylandicum (Clark and Martin), Stewart, 1927, p. 430

Range.—Paleocene. Aquia fm. (type)
Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr. (type)
Type.—Holotype, USNM

Sceptrum perulum (Aldrich) **Vasidae**

Pyropsis perula Aldrich, 1886, p. 25 in part, pl. 3, fig. 4 Woods Bluff type; de Gregorio, 1890, p. 100, pl. 7, fig. 53 copy Aldrich; Harris, 1896, p. 90 in part, not pl. 9, fig. 2 = *Sceptrum* sp.; Harris, 1897a, p. 476 in part, not pl. 21, figs. 1, 1a; Harris, 1899a, p. 46 in part, not pl. 6, figs. 3, 3a same as Harris, 1897a = *Sceptrum* sp.; Harris and Palmer, 1947, p. 353 in part
Sceptrum perula (Aldrich), Stewart, 1927, p. 430
Tudicla (Sceptrum) perula (Aldrich), Wenz, 1943, p. 1306 in part, not fig. 3721 copy Harris, 1896, pl. 9, fig. 2

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 42 GSATC

Sceptrum sp. **Vasidae**

Pyropsis perula Aldrich, 1886, p. 25 in part Matthews Ldg. only; Harris, 1896, p. 90 in part, pl. 9, fig. 2; Brann and Kent, 1960, p. 762. Not *Pyropsis perula* Aldrich, 1886, p. 25

Tudicla (Sceptrum) perula (Aldrich), Wenz, 1943, p. 1306 in part, fig. 3721 copy Harris, 1896

Range.—Paleocene. Matthews Ldg. beds, uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R.; Dale's Branch (Harris, 1896)

Type.—Figured specimen, No. 17 PRI

Sceptrum sp. **Vasidae**

Pyropsis perula Aldrich, Harris, 1897a, p. 476 in part, pl. 21, figs. 1, 1a; Harris, 1899a, p. 46 in part, pl. 6, figs. 3, 3a copy Harris, 1897a. Not *Pyropsis perula* Aldrich, 1886, p. 25, pl. 3, fig. 4

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, Lea Coll., ANSP

Scobinella conradiana Aldrich
See *Glyptotoma conradiana* (Aldrich)

Scobinella crassiplicata Gabb
See *Glyptotoma crassiplicata* (Gabb)

Scobinella (Moniliopsis) elaborata (Conrad) **Turridae**

Pleurotoma elaborata Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 52, pl. 17, fig. 19 (Harris reprint, 1893, p. 108, pl. 17, fig. 19); H. C. Lea, 1849, p. 104; Harris, 1895b, p. 17

Pleurotoma elabora [*sic*] Conrad, d'Orbigny, 1850, p. 359 error for *elaborata*

Moniliopsis elaborata (Conrad), Conrad, 1865a, p. 19; Conrad, 1865c, p. 143; Conrad, 1866a, p. 18; ? Heilprin, 1891a, p. 394; Harris, 1895b, p. 17; Woodring, 1928, p. 199

Pleurotoma (Moniliopsis) elaborata Conrad, de Gregorio, 1890, p. 40, pl. 2, fig. 53 (not fig. 43 as in text) copy Conrad

Drillia elaborata (Conrad), Cossmann, 1893, p. 46; Cossmann, 1896b, pp. 83, 84

Scobinella (Moniliopsis) elaborata (Conrad), Casey, 1903, p. 275 footnote; Harris, 1937, p. 67, pl. 12, figs. 1-3; fig. 4 tip of holotype; Brann and Kent, 1960, p. 786

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Probable syntypes (5), No. 30696 ANSP, Moore, 1962, p. 57

Scobinella famelica Casey **Turridae**

Scobinella famelica Casey, 1903, p. 274; Harris, 1937, p. 71 in part, pl. 12, figs. 22 holotype, 23 subspecies; Harris and Palmer, 1947, p. 437, in part, not pl. 61, figs. 1, 2 same specimens as Harris, 1937, pl. 12, fig. 23 subsp.; not Brann and Kent, 1960, p. 786 = subsp.

Range.—Oligocene. Vicksburg gr. (type)
Localities.—MISS.: *Warren Co.*, Vicksburg (type)
Type.—Holotype, No. 481662 USNM

Scobinella famelica Casey subsp. **Turridae**

Scobinella famelica Casey, Harris, 1937, p. 71 in part, pl. 12, fig. 23; Harris and Palmer, 1947, p. 437 in part, pl. 61, figs. 1, 2 same as Harris, 1937, pl. 12, fig. 23; Brann and Kent, 1960, p. 786

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery, Red R.
Type.—Figured specimen, No. 2571 PRI

Scobinella ferrosilica Harris **Turridae**

Scobinella ferrosilica Harris, 1937, p. 71, pl. 12, fig. 26; Brann and Kent, 1960, p. 786

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, Old Columbia road, 5 mi. N. of Orangeburg (type)
Type.—Holotype, No. 2572 PRI

Scobinella (Moniliopsis) hammettensis Harris **Turridae**

Scobinella (Moniliopsis) hammettensis Harris, 1937, p. 68, pl. 12, figs. 5-7; Brann and Kent, 1960, pp. 786, 787

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: NW. probably Hammett's Branch, 2 mi. NE. of Mt. Lebanon, *Bienville Par.* (type)
Types.—Holotype, No. 2563a; paratypes, Nos. 2563b, 2563c, PRI

Scobinella ? jacksonensis (Meyer) **Turridae**

Pleurotoma jacksonensis Meyer, 1886b, p. 75, pl. 2, fig. 10
Asthenotoma jacksonensis (Meyer), Cossmann, 1896b, p. 105
Mitromorpha ? jacksonensis (Meyer), Harris, 1937, p. 73, pl. 13, fig. 6 holotype
Scobinella ? jacksonensis (Meyer), Harris and Palmer, 1947, p. 437, pl. 60, fig. 19 holotype

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638833 USNM

Scobinella laeviplicata Gabb
See cf. *Microdrillia laeviplicata* (Gabb)

Scobinella laeviplicata Gabb, Cossmann, 1893; Cossmann, 1896b; Harris and Palmer, 1947. Not Gabb, 1860d
See *Microdrillia* sp.

Scobinella louisianae Harris **Turridae**

Scobinella louisianae Harris, 1937, p. 71, pl. 12, fig. 21; Harris and Palmer, 1947, p. 437, pl. 60, figs. 15-18; Brann and Kent, 1960, p. 787 [No. 4986 = pl. 60, figs. 17, 18]

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery, Red R. (type); *Caldwell Par.*, 1 mi. above Gibson Ldg., Ouachita R. MISS.: *Clarke Co.*, Garland Creek

Type.—Holotype, No. 2570 PRI

Scobinella (Moniliopsis) nassiformis Harris **Turridae**

Scobinella (Moniliopsis) nassiformis Harris, 1937, p. 72, pl. 13, figs. 1, 2; Brann and Kent, 1960, p. 787

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Orangeburg Co.*, Orangeburg (type)

Type.—Holotype, No. 2573 PRI

Scobinella newtonensis Aldrich **Turridae**

Scobinella newtonensis Aldrich, 1911, p. 5, pl. 2, fig. 2; Harris, 1937, p. 68 in part, pl. 12, fig. 10 holotype, not figs. 11, 12 subspecies; Harris and Palmer, 1947, p. 436 in part, not pl. 60, fig. 13 same specimen Harris, 1937, pl. 12, figs. 11, 12 subspecies; not Brann and Kent, 1960, p. 788 subsp.

Range.—Middle Eocene. Cook Mt. fm., (type), upper Claiborne gr.

Locality.—MISS.: *Newton Co.*, Newton (type)

Type.—Holotype, No. 639119 USNM

Scobinella newtonensis Aldrich subsp. **Turridae**

Scobinella newtonensis Aldrich, Harris, 1937, p. 68 in part, pl. 12, figs. 11, 12; Harris and Palmer, 1947, p. 436 in part, pl. 60, fig. 13 same specimen as Harris, 1937; Brann and Kent, 1960, p. 788

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery, Red R.

Type.—Figured specimen, No. 2564 PRI

Scobinella reticulatoides (Harris) **Turridae**

Pleurotoma (Eucheliodon) reticulatoides Harris, 1895a, p. 63, pl. 5, fig. 12

Eucheliodon sp. cf. *E. reticulatoides* Harris, Trowbridge, 1923, p. 95

Scobinella reticulatoides (Harris), Casey, 1903, p. 275; Harris, 1937, p. 69, pl. 12, fig. 15; Brann and Kent, 1960, p. 788

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], *Brazos* R. (type); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City

Type.—Holotype, No. 35591 BEG

Scobinella sativa (de Gregorio) **Turridae**

Borsonia (Zelia) sativa de Gregorio, 1890, p. 45, pl. 3, figs. 8-10
Zelia sativa de Gregorio, Cossmann, 1893, p. 42
Asthenotoma (Scobinella) sativa (de Gregorio), Cossmann, 1896b, p. 109
"*Borsonia (Zelia) sativa*" de Gregorio, Harris, 1937, p. 72, pl. 12, figs. 24, 25 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Scobinella (Moniliopsis) sculpturata Aldrich **Turridae**

Scobinella sculpturata Aldrich, 1911, p. 6, pl. 2, figs. 4, 5
Scobinella (Moniliopsis) sculpturata Aldrich, Harris, 1937, p. 68, pl. 12, figs. 8, 9 copies type

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 639122 USNM (fig. 5)

Scobinella transitionalis Harris **Turridae**

Scobinella transitionalis Harris, 1937, p. 69, pl. 12, figs. 13, 14; Harris and Palmer, 1947, p. 437, pl. 60, fig. 14 holotype; Brann and Kent, 1960, p. 788

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery, Red R. (type)
Types.—Holotype, No. 2565a; paratype, No. 2565b PRI

Sconsia nupera (Conrad)
See *Doliocassis nupera* (Conrad)

Seila constricta (H. C. Lea) **Cerithiopsidae**

Terebra constricta H. C. Lea, 1841, p. 100, pl. 1, fig. 18; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 12
Cerithium trilineatum Philippi, Meyer, 1884, p. 105; Heilprin, 1884b, p. 95. Not *C. trilineatum* Philippi, 1836, p. 195, pl. 11, fig. 13
Cerithiopsis constricta (H. C. Lea), Meyer, 1887a, p. 8, pl. 2, figs. 23a, b; not p. 15 see *Seila* sp.
Cerithium (Cerithiopsis) constrictum (H. C. Lea), de Gregorio, 1890, p. 119, pl. 10, figs. 30a, b, fig. 31 copy Meyer, fig. 32 copy H. C. Lea
Newtoniella constricta (H. C. Lea), Cossmann, 1893, p. 30
Newtoniella (Seila) constricta (H. C. Lea), Cossmann, 1906b, p. 154
Seila constricta (H. C. Lea), Dall, 1892, p. 267; Palmer, 1937, p. 222, pl. 30, figs. 5, 12, 13; Harris and Palmer, 1947, p. 304; Brann and Kent, 1960, pp. 789, 790; Glibert, 1962b, p. 223

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Lectotype, No. 13159 ANSP

"Selia" quadristriaris (Meyer and Aldrich) **Cerithiopsidae**

Cerithiopsis quadristriaris Meyer and Aldrich, 1886, p. 43, pl. 2, fig. 5; Dall, 1892, p. 268

Cerithium (Cerithiopsis) quadristriaris Meyer and Aldrich, de Gregorio, 1890, p. 120, pl. 10, fig. 33 copy Meyer and Aldrich (not pl. 11 as in text)

Newtoniella quadristriaris (Meyer and Aldrich), Cossmann, 1893, p. 31

"Seila" quadristriaris (Meyer and Aldrich), Palmer, 1937, p. 223, pl. 30, fig. 6 copy Meyer and Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton (type). ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. specific horizon not indicated by Meyer and Aldrich
Type.—Holotype, No. 638737 USNM

Seila sp. **Cerithiopsidae**

Cerithiopsis constricta (H. C. Lea), Meyer, 1887a, p. 15 not p. 8 or pl. 2, figs. 23a, 23b Claiborne; probably not *Seila constricta* (H. C. Lea), 1841; Harris and Palmer, 1947, p. 304 in part

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—MISS: *Hinds Co.*, Jackson
Type.—Unfigured specimen, unknown

Semicassis brevicostata (Conrad)
See *Phalium brevicostatum* (Conrad)

Semicassis nupera (Conrad)
See *Doliocassis nupera* (Conrad)

Semicassis Sowerbyi (I. Lea)
See *Doliocassis nupera* (Conrad)

Semicassis taitii (Conrad)
See *Phalium taitii* (Conrad)

Semifusus trabeatus (Conrad)
See *Levifusus trabeatus* (Conrad)

Seraphs belemnitum Palmer
See *Terebellum (Seraphs) belemnitum* Palmer

Serpula ornata I. Lea
See *Serpulorbis squamulosus* (Conrad)

Serpula squamulosa Conrad
See *Serpulorbis squamulosus* (Conrad)

Serpulorbis chavani Palmer **Vermetidae**

Cf. *Lemintina major* Chaven *in* Palmer, 1937, p. 210, pl. 28, figs. 1, 6 holotype. Not *Vermetus gigas major* Monterosato, 1878, p. 88 *nomen nudum;* not *Lemintina arenaria major* Sacco, 1896a, p. 12, pl. 1, fig. 26

Serpulorbis chavani Palmer *in* Harris and Palmer, 1947, p. 299, pl. 38, figs. 10-12; Brann and Kent, 1960, p. 793; Keen, 1961, p. 195 as Harris and Palmer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R., upper bed (type); lower bed, and ½ mi. below ferry, lower layer; *Caldwell Par.*, Grandview Bluff, Ouachita R.; Bunker Hill, Ouachita R.
Types.—Holotype, No. 4612; paratypes, Nos. 4611, 4613 PRI

Serpulorbis gonioides (Gardner) **Vermetidae**
Lemintina ? gonioides Gardner, 1935, p. 279, pl. 26, figs. 11, 12

Range.—Paleocene. Tehuacana mem. (type), Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Uvalde Co.*, USGS Sta. 11874, Frio R., just above the Evans' (Myrick's) apiary (type)
Type.—Holotype, No. 373059 USNM

Serpulorbis major (Chavan *in* Palmer) **Vermetidae**
Vermetus (Lemintina) major Cossmann, 1912b, p. 139 *nomen nudum*
Lemintina major Chavan *in* Palmer, 1937, p. 210, pl. 28, figs. 1, 6. Preoccupied, not *Vermetus gigas major* Monterosato, 1878, p. 88 *nomen nudum;* not *Lemintina arenaria major* Sacco, 1896a, p. 12, pl. 1, fig. 26. See Harris and Palmer, 1947, pp. 299, 300

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 5176, Lab. Géol., Sorbonne, Paris

Serpulorbis ornatus (I. Lea)
See *Serpulorbis squamulosus* (Conrad)

Serpulorbis squamulosus (Conrad) **Vermetidae**
Serpula ornata I. Lea, 1833, p. 37, pl. 1, fig. 5; Conrad, App. *in* Morton, 1834, p. 8; H. C. Lea, 1849, p 105; Conrad, 1866a, p. 20; Dall, 1892, p. 306. Not *Serpula ornata* G. B. Sowerby I, 1824, No. 22, no p., "II" *fide* Sherborn, *Index Animalium*, p. 4626; James de C. Sowerby, 1850, p. 163; 1878, p. 206, pl. IX [10], fig. 2
Serpula squamulosa Conrad, 1834, p. 149; Conrad, App. *in* Morton, 1834, p. 8; H. C. Lea, 1849, p. 105; Conrad, 1866a, p. 20; Dall, 1892, p. 306; Harris, 1895b, p. 42
Anguinella ornata (I. Lea), Conrad, 1846b, p. 212, pl. 1, fig. 4
Serpulorbis ornatus (I. Lea), de Gregorio, 1890, p. 120, pl. 10, figs. 34, 35, fig. 36 copy I. Lea, figs. 37, 38 copy *S. squamulosa* Conrad
Vermetus ornatus (I. Lea), Cossmann, 1893, p. 30
Vermetus (Lemintina) ornatus (I. Lea), Cossmann, 1912b, p. 139
Lemintina ornata (I. Lea), Palmer, 1937, p. 209, pl. 28, figs. 9, 13, 14; Brann and Kent, 1960, p. 481
Serpulorbis ? ornatus (I. Lea), Glibert, 1962b, p. 130

The name *Serpula ornata* of I. Lea, 1833, was preoccupied by *Serpula ornata* G. B. Sowerby I ("II" *fide* Sherborn, *Index Animalium)*, 1824 [1825], p. [no number], fig. 8. It was mentioned only by Sowerby as a Tertiary species but was illustrated which qualifies as an indication [IRZN, Art 25, a, Opin. 1]. James de Carle Sowerby described and figured *Serpula ornata* in 1850, p. 163; 2d ed., 1878, p. 206, pl. IX [10], fig. 21. Lea's name is, therefore, preoccupied in a strict sense. We prefer to use the name given by Conrad for the same form rather than provide a new name.

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; and McBean fm., upper Claiborne gr.; Gosport sd., (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Clarke Co.*, Wautubbee. Cf. S.C.: *Orangeburg Co.*, Orangeburg district

Types.—Missing Moore, 1962, p. 97. Syntypes *S. ornata* I. Lea Nos. 5017, 5018 ANSP

Serpulorbis sylvaerupis Harris
See *Dentalium sylvaerupis* (Harris) in Scaphopoda, Part I

Serpulorbis sp. **Vermetidae**

Vermetus sp. Clark, 1895, p. 4; Clark, 1896, p. 71, pl. 14, figs. 2a. 2b; Clark and Martin, 1901, p. 150, pl. 27, figs. 5, 5a copies Clark, 1896, figs. 6, 7

Range.—Paleocene. Aquia fm.

Localities.—MD.: *Prince Georges Co.*, Piscataway Cr.; Upper Marlboro; *Queen Annes Co.*, Rolph's Ldg. VA.: *Stafford Co.*, Aquia Cr. (Clark 1895); Potomac Cr. (Clark 1896, Clark and Martin 1901)

Types.—Figured specimens USNM

Sigaretopsis aperta (Whitfield)
See *Natica* cf. *aperta* Whitfield

Sigaretus arctatus Conrad
See *Sinum arctatum* (Conrad)

Sigaretus bilix Conrad
See *Sinum bilix* (Conrad)

Sigaretus bilix Conrad, Harris, 1899a in part. Not Conrad, 1833a
See *Sinum* sp.

Sigaretus (Sigatica) Boettgeri Meyer and Aldrich
See *Sigatica boettgeri* Meyer and Aldrich

Sigaretus canaliculatus Sowerby, Heilprin, 1891a. Not James Sowerby, 1823
See *Sinum declive* (Conrad)

Sigaretus clarkeanus Aldrich
See *Sigatica clarkeana* (Aldrich)

Sigaretus declivis Conrad
See *Sinum declive* (Conrad)

Sigaretus declivis Conrad, Cossmann, 1893. Not *S. declivis* Conrad, 1833c
See *Sinum arctatum* (Conrad)

Sigaretus declivis Conrad, Harris, 1899a. Not Conrad, 1833c
See *Sinum fiski* Le Blanc

Sigaretus (Eunaticina) erectoides Aldrich
See *Eunaticina erectoides* Aldrich

Sigaretus inconstans Meyer and Aldrich
See *Sinum inconstans* (Meyer and Aldrich)

Sigaretus ? perovatus (Conrad)
See *Crommium perovatum* (Conrad)

Sigaretus striatus (I. Lea)
See *Sinum bilix* (Conrad)

Sigaretus striatus (I. Lea), de Gregorio, 1890
See *Sinum arctatum* (Conrad)
See also *Sinum bilix* (Conrad)
See also *Sinum* spp.

Sigatica (Sigaretopsis) aperta (Whitfield)
See *Natica* cf. *aperta* Whitfield

Sigatica boettgeri Meyer and Aldrich **Naticidae**

Sigaretus (Sigatica) Boettgeri Meyer and Aldrich, 1886, p. 42, pl. 2, fig. 13; de Gregorio, 1890, p. 155, pl. 15, fig. 4 copy Meyer and Aldrich *Boetgeri* [*sic*]

Sigaretus (Eunaticina) Boettgeri Meyer and Aldrich, Dall, 1892, p. 380; Cossmann, 1925b, pp. 149, 150

Sigatica boettgeri Meyer and Aldrich, Woodring, 1928, p. 388; Palmer, 1937, p. 142, pl. 14, fig. 3 copy Meyer and Aldrich; Wenz, 1941, p. 1033, fig. 2958 copy Meyer and Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Newton (type). ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.
Type.—Holotype, No. 638734 USNM

Sigatica clarkeana Aldrich **Naticidae**

Sigaretus (Sigaticus [*sic*]*) clarkeanus* Aldrich, 1887, p. 83; Aldrich, 1895b, p. 16, pl. 1, fig. 16; Aldrich, 1911, p. 12, pl. 5, fig. 1 on pl. *Segaretus* [*sic*]

Sigaretus (Eunaticina) clarkeanus (Aldrich), Dall. 1892, p. 380

Natica (Sigaticus [*sic*]*) clarkeana* (Aldrich), Harris, 1899a, p. 87, pl. 11, fig. 21; Le Blanc, 1942⁺, p. 90, pl. 12, fig. 17; Brann and Kent, 1960, p. 581

Sigatica clarkeana Aldrich, Palmer, 1937, p. 142

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type); Woods Bluff, Tombigbee R.; *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R.; NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Types.—Syntype, No. 638858; unfigured syntype, No. 638859 USNM

Sigaticus [*sic*]
See *Sigatica*

Sigmesalia claibornensis (Harris)
See *Mesalia claibornensis* (Harris)

Sigmesalia obruta (Conrad)
See *Turritella obruta* Conrad

Sigmesalia vetusta (Conrad)
See *Mesalia vetusta* (Conrad)

Siliquaria claibornensis I. Lea
See *Tenagodus vitis* (Conrad)

Siliquaria vitis Conrad
See *Tenagodus vitis* (Conrad)

Simnia subtruncata Johnson
See *Neosimnia (Simnia) subtruncata* Johnson

Simnia texana Johnson
See *Neosimnia texana* (Johnson)

Simpulum autopsis Conrad
See *Eutritonium autopsis* (Conrad)

Simpulum (Epidromus) exilis Conrad
See *Nassarius exilis* (Conrad)

Simpulum otopsis [*sic*] Conrad
See *Eutritonium autopsis* (Conrad)

Simpulum showalteri Conrad
See *Ranella showalteri* (Conrad)

Sinistrella americana (Aldrich) **Turridae**

Triforis americanus Aldrich, 1885a, p. 151, pl. 3, fig. 16
Pleurotoma americana (Aldrich), Aldrich, 1886, p. 29, pl. 1, fig. 16; Harris, 1894b, pp. 105, 109, 160
Sinistrella americana (Aldrich), Meyer, 1887a, pp. 17, 18; Cossmann, 1893, p. 47; Casey, 1904, p. 139; Wenz, 1943, p. 1414, fig. 3995 copy Cossmann; Harris and Palmer, 1947, p. 422, pl. 58, figs. 4, 5; Brann and Kent, 1960, p. 797; Glibert, 1962a, p. 111
Asthenotoma (Sinistrella) americana (Aldrich), Cossmann, 1896b, p. 110, pl. 7, figs. 22, 23, text

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type). LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R. ARK.: *Cleveland Co.*, ¾ mi. above Vince Bluff, Saline R.
Type.—Holotype, No. 638718 USNM

Sinistrella (Infracoronia) ludoviciana (Vaughan)
See *Infracoronia ludoviciana* (Vaughan)

Sinistrella (Infracoronia) ludoviciana normani (Harris)
See *Infracoronia ludoviciana normani* (Harris)

Sinum arctatum (Conrad) **Naticidae**

Sigaretus arctatus Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 346; de Gregorio, 1890, p. 155; Dall, 1892, p. 379; Harris, 1895b, p. 6; Cossmann, 1925b, p. 145 [age erroneous]

Stomatia arctata (Conrad), Conrad, 1854, p. 30

Catinus arctatus (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15; Conrad, 1871b, p. 314, pl. 13, fig. 6

Sigaretus striatus (I. Lea), de Gregorio, 1890, p. 154 in part, pl. 15, figs. 10a, 10b. Not *S. striatus* (I. Lea), 1833

Sigaretus declivis Conrad, Cossmann, 1893, p. 26, pl. 1, fig. 35. Not *S. declivis* Conrad, 1833c

Sinum arctatum (Conrad), Palmer, 1937, p. 141, pl. 15, figs. 3, 9, 13, 14; pl. 80, fig. 8 holotype; Harris and Palmer, 1947, p. 253; Brann and Kent, 1960, p. 797; Glibert, 1963a, p. 97

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; cf. McBean fm., upper Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 and 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Sabine Co.*, Sabine R. opposite SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 22 (Veatch, 1902, p. 129)

Types.—Lectotype + 1 specimen No. 15174 ANSP Moore, 1962, pp. 39, 40

Sinum beatricae Palmer **Naticidae**

Sinum beatricae Palmer, 1937, p. 141, pl. 15, figs. 2, 4, 10; Brann and Kent, 1960, p. 797; Harris and Palmer, 1947, p. 254

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—Cf. S.C.: *Orangeburg Co.*, about 3 mi. and 6 mi. WNW. of Orangeburg. MISS.: *Clarke Co.*, Wautubbee (paratype). ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (holotype)

Types.—Holotype, No. 2811; paratype, No. 2812 PRI

Sinum bilix (Conrad) **Naticidae**

Sigaretus bilix Conrad, 1833a, p. 344; Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 346; de Gregorio, 1890, p. 155; Dall, 1892, p. 378; Harris, 1895b, p. 7; Harris, 1899a, p. 93 in part, not pl. 11, fig. 31 = *Sinum* sp.; Cossmann, 1925b, p. 147; not Brann and Kent, 1960, p. 794 = *Sinum* sp.

Natica striata I. Lea, 1833, p. 105, pl. 4, fig. 88; Tuomey, 1858, p. 266; Harris, 1895b, p. 43 = *S. bilix* (Conrad)

Stomatia bilix (Conrad), Conrad, 1854, p. 30

Catinus bilix (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15; Conrad, 1871b, p. 314, pl. 13, figs. 4, 7

Sigaretus striatus (I. Lea), de Gregorio, 1890, p. 154, pl. 15, fig. 9 copy Lea; Cossmann, 1893, p. 26 in part

Sinum bilix (Conrad), Palmer, 1937, p. 139, pl. 15, figs. 17-20; pl. 80, fig. 7 holotype; Shimer and Shrock, 1944, p. 481 in part, not pl. 198, fig. 4 copy Harris, 1897b = *Sinum* sp.; Harris and Palmer, 1947, p. 253 *bilex* [*sic*]; Brann and Kent, 1960, p. 797; Glibert, 1963a, p. 97

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Ldg. W. bank, Alabama R. about 6½ mi. above bridge at Claiborne. Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; 2 mi. NE. of Newton. Cf. S.C.: *Orangeburg Co.*, Orangeburg district. Cf. TEXAS: *Burleson Co.*, Stone City Bluff, Brazos R.
Types.—Lectotype + 6 specimens No. 15263 ANSP, Moore, 1962, p. 42. Holotype ? *N. striata* I. Lea, No. 5509 ANSP

Sinum bilix (Conrad), Palmer, 1937 in part; Shimer and Shrock, 1944.
Not Conrad, 1833a
See *Sinum* sp.

Sinum danvillense Palmer **Naticidae**

Sinum danvillense Palmer *in* Harris and Palmer, 1947, p. 253, pl. 30, figs. 6, 7; Brann and Kent, 1960, p. 798

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Localities.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type); Carter Ldg., Ouachita R.
Types.—Holotype, No. 4521; paratype, No. 4521A PRI

Sinum declive (Conrad) **Naticidae**

Sigaretus declivis Conrad, 1833c, p. 45; (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 5; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 346; de Gregorio, 1890, p. 155; Dall, 1892, p. 378; not Cossmann, 1893, p. 26, pl. 1, fig. 35 = *S. arctatus;* not Harris, 1899a, p. 93, pl. 11, fig. 30 = *Sinum fiski* Le Blanc; not Harris, 1899b, p. 308, pl. 55, fig. 10 = *Sinum fiski;* Cossmann, 1925b, p. 144; not Brann and Kent, 1960, p. 794
Stomatia declivis (Conrad), Conrad, 1854, p. 30
Catinus declivis (Conrad), Conrad, 1865a, p. 27; Conrad, 1866a, p. 15
Catinus bilix var. *declivus* [*sic*] (Conrad), Conrad, 1871b, p. 314, pl. 13, fig. 2
Sigaretus canaliculatus Sowerby, Heilprin, 1891a, p. 399. Not James de C. Sowerby, 1823, p. 115, pl. 384
Sinum declive (Conrad), Palmer, 1937, p. 140 as *declivis*, pl. 15, figs. 5, 6, 11, 15, 16; pl. 80, fig. 10 holotype; Brann and Kent, 1960, p. 798

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Bastrop Co.*, Smithville, S. bank of Colorado R. about 200 yds. W. of bridge
Type.—Lectotype, No. 15262 ANSP Moore, 1962, p. 53

Sinum fiski Le Blanc **Naticidae**

Sigaretus declivis Conrad, Harris, 1899a, p. 93, pl. 11, fig. 30; Harris, 1899b, p. 308, pl. 55, fig. 10. Not Conrad, 1833c, p. 344
Sinum fiski Le Blanc, 1942⁺, p. 93, pl. 12, figs. 21, 22

Range.—Lower Eocene. Pendleton Ferry fm. (type), middle Wilcox [Sabine] gr.; Tuscahoma fm., middle Wilcox [Sabine] gr.; Sabinetown fm., upper Wilcox [Sabine] gr.; Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—TEXAS: *Sabine Co.*, about ¼ mi. upstream from bridge over Sabine R. on La. Highway 6 (type); Sabinetown. ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *Monroe Co.*, Bells Ldg., Alabama R.; Greggs Ldg., Alabama R.

Type.—Holotype, No. 6011 LSU Pal. Mus.

Sinum inconstans (Meyer and Aldrich) **Naticidae**

Sigaretus inconstans Meyer and Aldrich, 1886, p. 42, pl. 2, figs. 18, 18a; Dall, 1892, p. 379; Cossmann, 1925b, p. 144 Newton, Miss. upper Clairbornian not Jacksonian as stated

Sinum inconstans (Meyer and Aldrich), Palmer, 1937, p. 141, pl. 15, figs. 1, 7, 8, 12; Brann and Kent, 1960, p. 798

Range.—Middle Eocene. Cf. Weches fm., middle Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.; cf. McBean fm. upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Newton (type); Hickory. Cf. TEXAS: *Burleson Co.*, Stone City Bluff, Brazos R. Cf. S.C.: *Orangeburg Co.*, Orangeburg district

Type.—Holotype, No. 638735 USNM

Sinum sp. **Naticidae**

Sigaretus bilix Conrad, Harris, 1899a, p. 93 in part, pl. 11, fig. 31; Brann and Kent, 1960, p. 794. Not Conrad, 1833a, p. 344

Sinum bilix (Conrad), Palmer, 1937, p. 140 in part; Shimer and Shrock, 1944, p. 481 in part, pl. 198, fig. 4 copy Harris, 1899a

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen, No. 337 PRI

Sinum spp. **Naticidae**

Sigaretus striatus (I. Lea), de Gregorio, 1890, p. 154 in part, pl. 15, figs. 11-15 spelled *Sygaretus* cf. *S. bilix* (Conrad). Not *Natica striata* I. Lea, 1833, p. 105

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Italy. Lost

Sinum sp. **Naticidae**

Sinum sp. Harris and Palmer, 1947, p. 254, pl. 30, figs. 3, 4; Brann and Kent, 1960, p. 799

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R.

Type.—Figured specimen, No. 4522 PRI

Sinum sp. **Naticidae**

Sinum sp. Le Blanc, 1942+, p. 94

Range.—Paleocene. Midway gr.
Locality.—LA.: *Natchitoches Par.*, north of farmhouse NE. ¼ NW. ¼ sec. 34, T. 10 N., R. 10 W., about 4½ mi. S. of Ajax
Type.—Unfigured specimen No. 3422 LSU Pal. Mus.

Sipho bella (Conrad)
See *Penion bellus* (Conrad)

Sipho conybearii (I Lea)
See "*Streptochetus*" *conybearii* (I. Lea)

Sipho (Neptunea) decisa (Conrad)
See "*Fusus decisus*" Conrad

Sipho delabechii (I. Lea)
See *Penion delabechii* (I. Lea)

Sipho erecta Aldrich
See *Mitrella* ( ) *erecta* (Aldrich)
See also *Laevibuccinum (Euryochetus ?) harrisi* Aldrich

Sipho lintea (Neptunea) Conrad, "Proceed. A.N. Sciences, 1865, Claib." Conrad, 1865a, p. 17 *nomen nudum*

Sipho magnocostata (I. Lea)
See *Penion bellus* (Conrad)

Sipho ornata (I. Lea)
See *Streptochetus limulus* (Conrad)

Sipho pumila (I. Lea), 1833, listed by Conrad, 1865a, p. 17 in error from Claiborne. The shell referred to is *Fusus pumilus* I. Lea, 1833, p. 215 from the Miocene, St. Marys, Md., *fide* Palmer, 1937, p. 367

Sipho tuomeyi (Aldrich)
See *Mazzalina tuomeyi* (Aldrich)

Sipho venusta (I. Lea)
See *Raphitoma (Microsurcula) venusta* (I. Lea)

Siphonalia jacksonia Harris **Buccinidae**

Siphonalia jacksonia Harris, 1897a, p. 473, pl. 19, fig. 2; Harris and Palmer, 1947, p. 366, pl. 48, fig. 1 copy Harris, fig. 2; Brann and Kent, 1960, p. 800

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson, Town Cr. (type)

Type.—Holotype, No. 6986 ANSP

Siphonalia ? johnsoni Richards **Buccinidae**

Siphonalia ? *johnsoni* Richards, 1947, p. 34, pl. 14, fig. 24

Range.—Lower Eocene. Manasquan fm.—middle Eocene. Shark R. ml., upper Claiborne gr. (type)

Locality.—N.J.: *Ocean Co.*, Jackson's Mill, well depth 50 ft. (type)

Type.—Holotype, No. 10588 N.J. State Mus.

Siphonalia lintea (Conrad)
See *Penion delabechii* (I. Lea)

"Siphonalia" newtonensis (Meyer and Aldrich) **Buccinidae**

Fusus Newtonensis Meyer and Aldrich, 1886, p. 43, pl. 2, fig. 11
"Siphonalia" newtonensis (Meyer and Aldrich), Palmer, 1937, p. 317, pl. 45, fig. 5 copy Meyer and Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton (type)
Type.—Holotype, No. 638741 USNM

Siphonalia perlata (Conrad) **Buccinidae**

Fusus perlatus Conrad, 1835a, p. 54, pl. 18, fig. 5, (Harris reprint, 1893, p. 110, pl. 18, fig. 5); Conrad, 1846b, p. 220; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 34
Strepsidura perlata (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19
Fusus (Strepsidura) perlatus Conrad, de Gregorio, 1890, p. 85, pl. 7, fig. 20 copy Conrad; not Clark, 1895, p. 4; not Clark, 1896, p. 67
Siphonalia perlata (Conrad), Cossmann, 1893, p. 34
"Siphonalia" perlata (Conrad), Palmer, 1937, p. 317, pl. 86, fig. 4 type; Harris and Palmer, 1947, p. 367

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Probable syntypes (2), No. 13940 ANSP Moore, 1962, p. 86

"Siphonalia" plummeri Palmer **Buccinidae**

"Siphonalia" plummeri Palmer, 1937, p. 318, pl. 45, figs. 3, 4; Brann and Kent, 1960, p. 800

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City
Type.—Holotype, No. 3092 PRI

"Siphonalia" quadrilineata Aldrich **Buccinidae**

Siphonalia quadrilineata Aldrich, 1921, p. 15, pl. 2, figs. 4, 5
"Siphonalia" quadrilineata Aldrich, Palmer, 1937, p. 317

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Clarke Co.*, Pugh's Branch of Satilpa Creek (type)
Types.—Syntypes, No. 70 GSATC

Siphonalia subscalarina (Heilprin)
See *Strepsidura heilprini* (de Gregorio)

Siphonalia sullivani Palmer **Buccinidae**

Siphonalia sullivani Palmer *in* Harris and Palmer, 1947, p. 367, pl. 48, figs. 3, 4; Brann and Kent, 1960, p. 801

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Tullos men., Yazoo clay, upper Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type); *Catahoula Par.*, Danville Ldg., Ouachita R.; *Winn Par.*, Tullos; *Caldwell Par.*, Wyant Bluff [Myatt], Ouachita R.
Types.—Holotype, No. 4702; paratype, No. 4701 PRI

Siphonalia sullivani ouachitae Palmer **Buccinidae**

Siphonalia sullivani ouachitae Palmer *in* Harris and Palmer, 1947, p. 368, pl. 48, figs. 5, 6; Brann and Kent, 1960, p. 801

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Localities.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type); Carter Ldg., Ouachita R.; *Vernon Par.*, Bayou Toro, SE. ¼ NW ¼ sec. 6, T. 3 N., R. 11 W.
Types.—Holotype, No. 4704; paratype, No. 4703 PRI

"Siphonalia" sp. **Buccinidae**

Siphonalia sp. No. 1 Harris, 1899a, p. 45, pl. 5, fig. 10; Brann and Kent, 1960, p. 800

Range.—Lower Eocene. Middle or upper Wilcox [Sabine] gr.
Locality.—ALA.: *Wilcox Co.*, Yellow Bluff, Alabama R.
Type.—Figured specimen, No. 252 PRI

"Siphonalia" sp. **Buccinidae**

Siphonalia sp. No. 2 Harris, 1899a, p. 45, pl. 6, fig. 1; Brann and Kent, 1960, p. 801

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R.
Type.—Figured specimen, No. 253 PRI

Skenea dalli (Harris)
See *Cyclostremiscus dalli* (Harris)

Skenea pignus (de Gregorio) **Skeneidae**

Adeorbis (Asiolina [*sic*]*) pignus* de Gregorio, 1890, p. 139, pl. 13, figs. 1-3 [spelled *Asiolus* in heading and expl. of pl.]
Ethalia pignus (de Gregorio), Dall, 1892, p. 347
Adeorbis laevis Cossmann, 1893, p. 25. Not Meyer, 1886b, p. 67 = Oligocene
Skenea pignus (de Gregorio), Palmer, 1937, p. 179, pl. 21, figs. 1, 2, 5 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Sicily. Lost

Skenea sylvaerupis (Harris)
See *Cyclostremiscus sylvaerupis* (Harris)

Solariaxis acutus (Conrad)
See *Architectonica (Solariaxis) acuta* Conrad

Solariaxis alabamensis (Dall)
See *Architectonica alabamensis* (Dall)

Solariaxis aldrichi (Dall)
See *Architectonica aldrichi* (Dall)

Solariaxis cossmanni (Dall)
See *Architectonica cossmanni* (Dall)

Solariaxis elaboratus (Conrad)
See *Architectonica (Solariaxis) elaborata* (Conrad)
See also *Architectonica (Granosolarium) ornata* (I. Lea)

Solariaxis leanus (Dall)
See *Architectonica leana* (Dall)

Solariaxis periscelidus (Dall)
See *Architectonica periscelida* (Dall)

Solariella alabamensis (Aldrich) **Trochidae**

Trochus alabamensis Aldrich, 1886, p. 35, pl. 5, fig. 16
Solariella alabamensis (Aldrich), Harris, 1896, p. 120, pl. 12, fig. 24

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.
Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R. (type); 1 mi. W. of Oak Hill
Type.—Holotype, No. 638789 USNM

Solariella aldrichiana (Harris) **Trochidae**

Gaza ? aldrichiana Harris, 1895a, p. 84, pl. 9, fig. 14
? *Solariella aldrichiana* (Harris), Palmer, 1937, p. 40, pl. 5, fig. 15 type genus questioned

Range.—Middle Eocene. Yegua fm. (type), uppermost Claiborne gr.
Locality.—TEXAS: *Lee Co.*, Elm Cr. (type)
Type.—Holotype, No. 638973 USNM

Solariella cancellata (Conrad) **Trochidae**

Solarium cancellatum Conrad, 1833a, p. 344 [error in locality]; Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 49, pl. 17, fig. 11 (Harris reprint, 1893, p. 105, pl. 17, fig. 11); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 348; de Gregorio, 1890, p. 134, pl. 12, figs. 22, 23 copy I. Lea, fig. 24 copy Conrad; Harris, 1895b, p. 9
Solarium cancellatum I. Lea, 1833, p. 121, pl. 4, fig. 110; Harris, 1895b, p. 9
Architectonica cancellata (Conrad), Conrad, 1865a, p. 29; Conrad, 1866a, p. 13
Solariella cancellata (Conrad), Dall, 1892, pp. 331, 407 in part; Cossmann, 1893, p. 21; Palmer, 1937, p. 36, pl. 4, figs. 9, 13, 17; pl. 78, fig. 13 type; Brann and Kent, 1960, p. 802; Glibert, 1962a, p. 28

Eumargarita (Solariella) cancellata (Conrad), Cossmann, 1918b, p. 261

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Lectotype *S. cancellatum* Conrad No. 15386 ANSP, Moore, 1962, p. 44, Lectotype *S. cancellatum* I. Lea No. 5614 ANSP

Solariella cancellata jacksonia Palmer **Trochidae**

Solariella cancellata jacksonia Palmer *in* Harris and Palmer, 1947, p. 229, pl. 27, figs. 8-10; Brann and Kent, 1960, p. 802

Range.—Upper Eocene. Moodys Branch fm. (type), upper Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson, the first bluff below the first bridge east of the institution for the blind, SW. ¼ sec. 35, T. 6 N., R. 1 E. (type). See Dall, 1892, p. 407 for Jackson, Miss.
Type.—Holotype, No. 4492 PRI

Solariella elegans (I. Lea)
See *Solariella stalagmium* (Conrad)

Solariella fungina Cossmann **Trochidae**

Solariella fungina ? (Conrad), Cossmann, 1893, p. 22, pl. 1, fig. 26; Palmer, 1937, p. 39, pl. 5, fig. 18 copy Cossmann. Not *Solarium funginum* Conrad, 1833c, p. 44
Eumargarita (Solariella) fungina Cossmann, Cossmann, 1918b, p. 261

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 9029 Lab. Géol., Sorbonne, Paris

Solariella lineata (I. Lea)
See *Cirsochilus (Claibornia) lineatus* (I. Lea)

Solariella louisiana Dall **Trochidae**

Solariella louisiana Dall, 1892, p. 407 in part; Dall, 1898b, pl. 23, figs. 1, 1a; Harris, 1899a, p. 100 only; Schuchert, *et al.*, 1905, p. 601; Palmer, 1937, p. 38, pl. 4, figs. 3, 14 copy Dall, not figs. 1, 2, 4, 10. Not Brann and Kent, 1960, p. 802 see *S. sylvaerupis* Harris
Eumargarita (Solariella) louisiana Dall, Cossmann, 1918b, p. 261

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, McKay's marl-bed, near Enterprise (type). ALA. *Monroe Co.*, Lisbon, Alabama R. (Dall)
Type.—Holotype, No. 113078 USNM

Solariella stalagmium (Conrad) **Trochidae**

Solarium stalagmium Conrad, 1833c, p. 44 (Harris reprint, 1893, p. 70); Conrad, App. *in* Morton, 1834, p. 3; Conrad, 1835a, p. 48, pl. 17, fig. 6 (Harris reprint, 1893, p. 104, pl. 17, fig. 6); H. C. Lea, 1849, p. 106; d'Orbigny, 1850, p. 348; de Gregorio, 1890, p. 137, pl. 12, fig. 10 copy Conrad, fig. 11 copy *elegans* I. Lea; Harris, 1895b, p. 42
Solarium elegans I. Lea, 1833, p. 121, pl. 4, fig. 109; H. C. Lea, 1849, p. 105; Harris, 1895b, p. 18 = *S. stalagmium* Conrad

Architectonica stalagmium (Conrad), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13

? *Delphinula solaroides* Heilprin, 1879a, p. 211, pl. 13, fig. 2; Meyer, 1887a, p. 18

Solarium perinum de Gregorio, 1890, p. 137, pl. 12, figs. 49-52; Dall, 1892, p. 330 *Solariella*

Solarium supravenustum de Gregorio, 1890, p. 137, pl. 12, figs. 54a, b-56 not pl. 17 as in text; Dall, 1892, p. 330 *Tornia;* Cossmann, 1893, p. 28

Solariella stalagmium (Conrad), Dall, 1892, pp. 330, 407; Palmer, 1937, p. 33, pl. 4, figs. 15, 16, 18, 19, 21, fig. 20 copy *Solarium supravenustum* de Gregorio, 1890; pl. 78, figs. 5, 6, 9 type *Solarium elegans* Lea; figs. 10, 11 type *Delphinula solaroides* Heilprin; Brann and Kent, 1960, p. 803; Glibert, 1962a, p. 29

Solariella elegans (I. Lea), Cossmann, 1893, p. 21

Eumargarita (Periaulax) elegans (I. Lea), Cossmann, 1918b, p. 257

Range.—Middle Eocene. Gosport sd. type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Lectotype + 4 specimens, No. 15374 ANSP, Moore, 1962, p. 97; Holotype *S. elegans* I. Lea, No. 5606 ANSP. Holotype *D. solaroides* Heilprin, No. 10063/1 Hall Coll., Cat. No. 5536/1 AMNH. Syntypes *S. perinum* de Gregorio, No. 26443 PRI De Gregorio Coll. Holotype *S. supravenustum* de Gregorio No. 26445 PRI De Gregorio Coll.

Solariella stalagmium modesta (Meyer and Aldrich) **Trochidae**

Solarium elegans I. Lea var. *modestum* Meyer and Aldrich, 1886, pp 41, 47, pl. 2, figs. 6, 6a

Solariella stalagmium modesta (Meyer and Aldrich), Dall, 1892, pp 331, 407; Palmer, 1937, p. 35, pl. 4, figs. 7, 11; Brann and Kent 1960, p. 803

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Clarke Co.*, Wautubbee (type)

Type.—Holotype, No. 638729 USNM

Solariella sylvaerupis Harris **Trochidae**

Solariella sylvaerupis Harris, 1897a, p. 477, pl. 21, figs. 6, 6a

Solariella louisiana Dall, Harris, 1899a, p. 100 in part lower Eocene only, pl. 12, figs. 18, 18a copy Harris, 1897a

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); *Monroe Co.*, 4 mi. above Hamilton Bluff, Alabama R.; *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. See *S. cancellata* (Conrad), Dall, 1892, p. 407 for lower Eocene localities.

Type.—Holotype, No. 7480 ANSP

Solariella tricostata (Conrad) **Trochidae**

Solarium granulatum I. Lea, 1833, p. 122, pl. 4, fig. 111; Conrad, App. *in* Morton, 1834, p. 3; H. C. Lea, 1849, p. 105; not Aldrich, 1886, p. 50; Harris, 1895b, p. 21. Not *S. granulatum* Lamarck, 1822, p. 3

Solarium tricostatum Conrad, 1835a, p. 50, pl. 17, fig. 10 new name for *S. granulatum* (Harris reprint, 1893, p. 106, pl. 17, fig. 10); Harris, 1895b, p. 46
Solarium pseudo-granulatum d'Orbigny, 1850, p. 348
Architectonica pseudogranulata (d'Orbigny), Conrad, 1865a, p. 30; Conrad, 1866a, p. 13
Solariorbis bellus Conrad, 1865a, p. 30; Conrad, 1866a, p. 14 = *nomen nudum*
Delphinula granulata (I. Lea), de Gregorio, 1890, p. 141, pl. 13, fig. 13 copy I. Lea, fig. 14 copy *S. tricostatum* Conrad
Liotia granulatum (I. Lea), Dall, 1892, pp. 331, 411 in part; not Harris, 1899a, p. 99, pl. 12, fig. 17 = *Solariella* sp.
Solariella tricostata (Conrad), Cossmann, 1893, p. 21; Palmer, 1937, p. 37, pl. 4, figs. 5, 8, 12; pl. 78, fig. 7 type *S. granulatum* I. Lea; Brann and Kent, 1960, p. 803; Glibert, 1962a, p. 30
Solarium (Solariorbis) bellum Conrad *in* Harris, 1895b, p. 7 *nomen nudum*
Eumargarita (Solariella) tricostata (Conrad), Cossmann, 1918b, p. 261

Range.—Middle Eocene. Cf. Cook Mt. fm,, upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type); uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, base of Claiborne Bluff; sand at Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Clarke Co.*, Wautubbee. Cf. S.C.: *Orangeburg Co.*, Orangeburg district. Cf. TEXAS: *Sabine Co.*, opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W. Outcrop 21 (Veatch, 1902, p. 129)
Types.—Holotype, No. 5619 ANSP. Figured specimen ? Conrad, No. 15421 Moore, 1962, p. 103

Solariella sp. **Trochidae**

Solarium granulatum I. Lea, Aldrich, 1886, p. 50
Liotia granulata (I. Lea), Dall, 1892, p. 411 in part Woods Bluff; Harris, 1899a, p. 99 in part, pl. 12, fig. 17

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.; *NE. Washington Co.* Hatchetigbee Bluff, Tombigbee R.
Type.—Figured specimen, Lea Coll. ANSP

Solariorbis bellus Conrad
See *Solariella tricostata* (Conrad)

Solariorbis depressus (I. Lea) **Vitrinellidae**

Delphinula depressa I. Lea, 1833, p. 118, pl. 4, fig. 105; H. C. Lea, 1849, p. 99; de Gregorio, 1890, p. 140, pl. 13, figs. 8, 9 copies I. Lea; Harris, 1895b, p. 15
Solariorbis depressus (I. Lea), Conrad, 1865a, p. 30 as *depressa;* Conrad, 1866a, p. 13; Woodring, 1928, p. 443
Teinostoma depressum (I. Lea), Dall, 1892, p. 414 in section *Solariorbis*
Collonia depressa (I. Lea), Cossmann, 1893, p. 22, pl. 2, fig. 27
Tinostoma [*sic*] *(Solariorbis) depressus* (I. Lea), Cossmann, 1918b, p. 88, text fig. 37, pl. 2, figs. 70-72 as *planum*
Teinostoma regularis Aldrich, 1921, p. 12, pl. 1, figs. 21, 22

Solariorbis depressus (I. Lea), Gardner, 1935, p. 314; Palmer, 1937, p. 50, pl. 2, figs. 6-8; pl. 78, fig. 14 type; Brann and Kent, 1960, p. 803

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr., Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); *Clarke Co.*, Pugh's Branch of Satilpa Cr. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg

Types.—Holotype, No. 5589 ANSP. Holotype *Teinostoma regulare* Aldrich, No. 68 GSATC

Solariorbis depressus (I. Lea) var. Palmer, 1937
See *Solariorbis* sp.

Solariorbis lineatus (I. Lea)
See *Cirsochilus* (*Claibornia*) *lineatus* (I. Lea)

Solariorbis liniferus Aldrich **Vitrinellidae**

Solariorbis subangulatus Meyer var. Aldrich, 1897a, p. 6, pl. 4, fig. 8 as *liniferus*

Adeorbis liniferus (Aldrich), Harris, 1899a, p. 94, pl. 12, fig. 2 copy Aldrich

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)

Type.—Holotype, missing USNM, 1964

Solariorbis nitens (I. Lea)
See *Norrisia (Norrisella) nitens* (I. Lea)

Solariorbis ? planulatus (H. C. Lea) **Vitrinellidae**

Trochus planulatus H. C. Lea, 1841, p. 96, pl. 1, fig. 9; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 35

Turbo (Tiburnus) planulatus (H. C. Lea), de Gregorio, 1890, p. 143, pl. 13, figs. 18, 19 copy H. C. Lea

Teinostoma planulatum (H. C. Lea), Dall, 1892, p. 414

Tiburnus nitens (I. Lea) Cossmann, 1893, p. 21 in part; Cossmann, 1918b, p. 250

? *Solariorbis planulatus* (H. C. Lea), Palmer, 1937, p. 49, pl. 78, fig. 4 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 13171 ANSP

Solariorbis proius Gardner **Vitrinellidae**

Solariorbis proius Gardner, 1935, p. 314, pl. 26, figs. 13, 14

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.

Locality.—TEXAS: *Bastrop Co.*, Colorado R. ½ to ¾ mi. above mouth of Dry Creek (type)

Types.—Syntypes (2), No. 373061 USNM

Solariorbis quadrangularis (Meyer) **Vitrinellidae**

Adeorbis quadrangularis Meyer, 1887a, p. 4, pl. 1, figs. 1, 1a
Teinostoma quadrangulare (Meyer), Dall, 1892, p. 414 section *Solariorbis*
Solariorbis quadrangularis (Meyer), Palmer, 1937, p. 51; Harris and Palmer, 1947, p. 232, pl. 27, figs. 1, 2; Brann and Kent, 1960, p. 803

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); Jackson, the first bluff below the first bridge east of the institution for the blind
Type.—Holotype, No. 638865 USNM

Solariorbis rotulus (Heilprin) **Vitrinellidae**

Teinostoma rotula Heilprin, 1879a, p. 211, pl. 13, fig. 1; Meyer, 1887a, p. 18 in part "=*Solarium depressum*"; Dall, 1892, p. 414 section *Solariorbis;* Harris, 1899a, p. 102 var. *depressa*
Solariorbis rotulus (Heilprin), Palmer, 1937, p. 49, pl. 78, figs. 15, 16 type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 10067/1 Hall Coll., No. 5571/1 AMNH

Solariorbis subangulatus (Meyer) **Vitrinellidae**

Adeorbis subangulatus Meyer, 1886b, p. 67, pl. 2, fig. 28; Cossmann, 1893, p. 25
Teinostoma subangulatum (Meyer), Dall, 1892, p. 414 section *Solariorbis;* Harris, 1899a, p. 101 in part, not pl. 12, figs. 20-22; Brann and Kent, 1960, p. 837
Tornus (Adeorbis) subangulatus (Meyer), Cossmann, 1918b, p. 99
Solariorbis subangulatus (Meyer), Harris and Palmer, 1947, p. 233, pl. 27, figs. 5-7; Brann and Kent, 1960, p. 803

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); the first bluff below the first bridge east of the institution for the blind, Jackson
Type.—Holotype, No. 638815 USNM

Solariorbis subangulatus Meyer var. Aldrich, 1897a
See *Solariorbis liniferus* Aldrich

Solariorbis subangulatus smithi (Aldrich) **Vitrinellidae**

Teinostoma subangulata Meyer var. *Smithi* Aldrich, 1921, p. 11, pl. 1, figs. 19, 20

Range.—Lower Eocene. Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type)
Type.—Holotype, No. 16 GSATC

Solariorbis sp. **Vitrinellidae**

Solariorbis depressus (I. Lea) var. Palmer, 1937, p. 52; Brann and Kent, 1960, p. 803

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.

Locality.—LA.: *Ouachita Par.*, Lapiniere Ldg., Ouachita R.

Type.—Unfigured specimen, No. 2653 PRI

Solariorbis sp. **Vitrinellidae**

Teinostoma subangulatus (Meyer) var. Harris, 1899a, p. 102 in part, pl. 12, figs. 20, 21, 21a; Brann and Kent, 1960, p. 837 in part

Range.—Lower Eocene. Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Greggs Ldg. mem., Tuscahoma fm. middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R.; Greggs Ldg., Alabama R.

Types.—Figured specimens, Lea Coll. ANSP; No. 1388 PRI

Solariorbis sp. **Vitrinellidae**

Teinostoma subangulatus (Meyer) var., Harris, 1899a, p. 102 in part, pl. 12, figs. 22, 22a; Brann and Kent, 1960, p. 837 in part

Range.—Lower Eocene. Sabinetown fm., upper Wilcox [Sabine] gr.

Locality.—TEXAS: *Sabine Co.*, Sabinetown, Sabine R.

Type.—Lost prior to 1937 PRI

Solarium acutum (Conrad)
See *Architectonica (Solariaxis) acuta* (Conrad)

Solarium alabamense Dall
See *Architectonica alabamensis* (Dall)

Solarium aldrichi Dall
See *Architectonica aldrichi* (Dall)

Solarium alveatum Conrad
See *Architectonica (Stellaxis) alveata* (Conrad)

Solarium alveatum Conrad, Heilprin, 1891a
See *Architectonica alveata* (Conrad) in part
See also *Architectonica alveata* (Conrad), n. subsp. in part

Solarium amoenum Conrad
See *Architectonica amoena* (Conrad)

Solarium annosum (Conrad)
See *Architectonica annosa* (Conrad)

Solarium antrosum Conrad
See *Architectonica antrosa* (Conrad)

Solarium bastropensis Harris
See *Episcynia bastropensis* (Harris)

Solarium bellense Harris
See *Architectonica bellensis* (Harris)

Solarium bellistriatum (Conrad)
See *Architectonica (Architectonica) bellistriata* Conrad

Solarium bellistriatum newtonense Dall
See *Architectonica bellistriata newtonensis* (Dall)

Solarium bellistriatum var. *triliratum* Conrad, Dall, 1892 in part. Not Conrad, 1848a
See *Architectonica (Architectonica)* sp.

Solarium (Solariorbis) bellum Conrad *nomen nudum*
See *Solariella tricostata* (Conrad)

Solarium bilineatum I. Lea
See *Architectonica (Stellaxis) alveata* (Conrad)

Solarium caelaturum Conrad
See *Architectonica caelatura* (Conrad)

Solarium canaliculatum Lamarck, Conrad, 1835a. Not Lamarck, 1804, p. 53
See *Architectonica (Granosolarium) ornata* (I. Lea)

Solarium cancellatum Conrad and *Solarium cancellatum* I. Lea
See *Solariella cancellata* (Conrad)

Solarium coelaturum [*sic*] Conrad
See *Architectonica caelatura* (Conrad)

Solarium cossmanni Dall
See *Architectonica cossmanni* (Dall)

Solarium cupola Heilprin
See *Architectonica cupola* (Heilprin)

Solarium delphinuloides Heilprin
See *Architectonica sabinia* Palmer

Solarium delphinuloides Heilprin, Aldrich, 1886. Not Heilprin, 1881
See *Architectonica intusa* (Harris)

Solarium delphinuloides Meyer, 1887a. Not Heilprin, 1881
See *Circulus ottonius* Palmer

Solarium elaboratum Conrad
See *Architectonica (Solariaxis) elaborata* (Conrad)

Solarium elaboratum Conrad, de Gregorio, 1890. Not Conrad 1833a
See *Architectonica caelatura* (Conrad)
See also *Architectonica* sp.

Solarium (Solariaxis) elaboratum Conrad, Cossmann, 1893; 1915b. Not Conrad, 1833a
See *Architectonica (Granosolarium) ornata* (I. Lea)

Solarium elaboratum Conrad, Dall, 1892. Not Conrad, 1833a
See *Architectonica elaborata* (Conrad)
See also *Architectonica intusa* (Harris)

Solarium elaboratum Conrad "var.", Dall, 1892
See *Architectonica (Granosolarium) ornata jacksonia* Palmer

Solarium elaboratum Conrad var. *bimixta* Aldrich
See *Architectonica bimixta* (Aldrich)

Solarium elaboratum delphinuloides Heilprin
See *Architectonica sabinia* Palmer

Solarium elaboratum intusum Harris
See *Architectonica intusa* (Harris)

Solarium elaboratum ornatum (I. Lea)
See *Architectonica (Granosolarium) ornata* (I. Lea)

Solarium elegans I. Lea
See *Solariella stalagmium* (Conrad)

Solarium elegans modestum Meyer and Aldrich
See *Solariella stalagmium modesta* (Meyer and Aldrich)

Solarium exacuum Conrad
See *Cyclostremiscus exacuus* (Conrad)

Solarium exacutum [*sic*] Conrad, d'Orbigny, 1850
See *Cyclostremiscus exacuus* (Conrad)

Solarium funginum Conrad
See *Architectonica fungina* (Conrad)

Solarium granulatum I. Lea
See *Solariella tricostata* (Conrad)

Solarium granulatum I. Lea, Aldrich, 1886. Not Lea, 1833
See *Solariella* sp.

Solarium greggi Harris
See *Architectonica greggi* (Harris)

Solarium Hargeri Meyer, Cossmann, 1915b, p. 167 not Eocene (= Oligocene)

Solarium henrici I. Lea
See *Architectonica fungina* (Conrad)

Solarium huppertzi Harris
See *Architectonica huppertzi* (Harris)

Solarium huppertzi Harris var. Harris, 1897a, 1899a
See *Architectonica huppertzi* (Harris) "var."

Solarium ianthinae Van Winkle
See *Architectonica ianthinae* (Van Winkle)

Solarium Johnsoni Dall
See *Architectonica johnsoni* (Dall)

Solarium leanum Dall
See *Architectonica leana* (Dall)

Solarium lineatum (I. Lea)
See *Cirsochilus (Claibornia) lineatus* (I. Lea)

Solarium meekanum (Gabb)
See *Architectonica (Granosolarium) meekana* Gabb

Solarium newtonense Dall
See *Architectonica bellistriata newtonensis* (Dall)

Solarium ornatum I. Lea
See *Architectonica (Granosolarium) ornata* (I. Lea)

Solarium oxacuum [*sic*] Conrad
See *Cyclostremiscus exacuus* (Conrad)

Solarium patulum Conrad
See *Architectonica scrobiculata* (Conrad)

Solarium perinum de Gregorio
See *Solariella stalagmium* (Conrad)

Solarium periscelidum Dall
See *Architectonica periscelida* (Dall)

Solarium planiforme Aldrich
See *Architectonica planiformis* (Aldrich)

Solarium pseudo-granulatum d'Orbigny
See *Solariella tricostata* (Conrad)

Solarium scrobiculatum Conrad
See *Architectonica scrobiculata* (Conrad)

Solarium scrobiculatum Conrad ?, Aldrich, 1886
See *Architectonica bellensis* (Harris)

Solarium stalagmium Conrad
See *Solariella stalagmium* (Conrad)

Solarium striato-granulatum Heilprin
See *Architectonica (Solariaxis) elaborata* (Conrad)

Solarium supravenustum de Gregorio
See *Solariella stalagmium* (Conrad)

Solarium sylvaerupis Harris
See *Architectonica sylvaerupis* (Harris)

Solarium syrtalis Conrad, App. *in* Morton, 1834, p. 3; d'Orbigny, 1850, p. 348; Dall, 1892, p. 330; Palmer, 1937, p. 175 is a *nomen nudum*

Solarium texanum (Gabb)
See *Architectonica scrobiculata* (Conrad)

Solarium texanum (Gabb), Dall, 1892. Not Gabb, 1860d
See *Architectonica sylvaerupis* Harris

Solarium textilinum Dall
See *Architectonica textilina* (Dall)

Solarium tricostatum Conrad
See *Solariella tricostata* (Conrad)

Solarium vespertinum (Gabb)
See *Architectonica vespertina* Gabb

Solarium sp., Harris, 1896
See *Architectonica* sp.

Solarium sp. Clark, 1895, 1896
See *Architectonica* sp.

Sparella mediavia (Harris)
See *Agaronia mediavia* (Harris)

Sphaerocypraea jacksonensis (Johnson)
See *Cypraea jacksonensis* Johnson

Spirialis
See Gastropoda (Pteropoda), Pt. I, p. 359

Spiratella
See Gastropoda (Pteropoda), Pt. I p. 359

Sthenorhytis subexpansum Johnson
See *Epitonium (Sthenorhytis) subexpansum* Johnson

Stomatia arctatus (Conrad)
See *Sinum arctatum* (Conrad)

Stomatia bilix (Conrad)
See *Sinum bilix* (Conrad)

Stomatia declivis (Conrad)
See *Sinum declive* (Conrad)

Strepsidura bella (Conrad)
See *Penion bellus* (Conrad)

Strepsidura contorea Aldrich **Buccinidae**

Strepsidura heilprini Aldrich, 1895b, p. 12, pl. 4, fig. 1; Harris, 1896, p. 91, pl. 9, fig. 3; Brann and Kent, 1960, p. 819. Not *S. heilprini* de Gregorio, 1890, p. 84

Strepsidura contorea Aldrich, 1926, p. 69 new name for *S. heilprini* Aldrich 1895b not de Gregorio, 1890

Range.—Paleocene. Matthews Ldg. beds (type), uppermost Porters Cr. fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E., Alabama R. (type); 1 mi. W. of Oak Hill P.O.

Type.—Holotype, No. 638946 USNM

Strepsidura Conybearii (I. Lea)
See *"Streptochetus" conybearii* (I. Lea)

Strepsidura dumosa Conrad
See *Papillina dumosa* (Conrad)

Strepsidura ficus ? (Gabb) or subsp. ? **Buccinidae**

? *Whitneya ficus* Gabb, 1864, pp. 104, 224, fig. 216. Tejon Eocene Calif., for comparison

? *Bulbifusus inauratus* Conrad, Heilprin, 1891a, p. 396 in part. Not *Fusus inauratus* Conrad, 1833b, p. 29

? *Strepsidura ficus* (Gabb), Harris, 1895a, p. 71, pl. 7, fig. 1; Palmer, 1937, p. 368, pl. 47, fig. 4 copy Harris

? *Strepsidura ficus* (Gabb) sp. Aldrich, 1895b, p. 13, pl. 3, figs. 1, 1a

? *Strepsidura ficus* (Gabb), Stewart, 1927, p. 404, pl. 29, fig. 11 Tejon Eocene, Calif., for comparison

Because of lack of specimens the identification of the Texas material rests on drawings. The drawings show a remarkable resemblance to the

California species, but a study of actual material might reveal differences. If the specific identification is true it is the only species known to be common between the California and Mississippi embayment Eocene areas. Search for materal to reveal the true nature of this fossil would be worthwhile.

Range.—Middle Eocene. Queens City fm., lower Claiborne gr. (Stenzel, Krause, and Twining, 1957, p. 151)

Localities.—TEXAS: *Bastrop Co.*, "Sta. 30, Colorado River, bluff just below the mouth of Alum Cr. about halfway between Stas. 11 and 12 [Sta. 11 is Colorado R., Devil's Eye, an island about 8 mi. SE. of Bastrop, Bastrop Co.; Sta. 12 is Colorado R., Smithville, about 10 mi. in direct line SE. of Bastrop, Bastrop Co.]," Harris, 1893a, ms. See also Stenzel, Krause, and Twining, 1957, p. 151; "Eocene of Texas, Dr. Shumard Collection," Harris figured specimen. Aldrich figured specimen, locality unknown.

Types.—Figured specimen, Harris missing BEG, 1964. Figured specimen, Aldrich, not in USNM; ? JHU never listed

Strepsidura heilprini (de Gregorio) **Buccinidae**

Fusus (Strepsidura) subscalarinus Heilprin, 1881, p. 372, pl. 20, fig. 7; Heilprin, 1884b, p. 94. Not *Fusus subscalarinus* d'Orbigny, "1847" [1850], p. 316

Fusus subscalarinus Heilprin, Aldrich, 1886, p. 55

Fusus (Strepsidura) Heilprini de Gregorio, 1890, pp. 84 read *subscalarinus* for *scalarinus*, 3d line from bottom, p. 85, new name for *Fusus (S.) subscalarinus* Heilprin, 1881

Not *Strepsidura subscalarina* Heilprin, Clark and Martin, 1901, p. 136 in part, pl. 22, figs. 5-8a. See *S.* spp. Not Heilprin, 1881

Siphonalia subscalarina (Heilprin), Harris, 1899a, p. 49, pl. 6, fig. 7; Brann and Kent, 1960, p. 801

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm. middle Wilcox [Sabine] gr. Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr. (Aldrich). Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr.; Knights Branch, Bashi Cr. (type). For additional localities in Ala. see Aldrich, 1886, p. 55; Harris, 1899a

Type.—Holotype *Fusus subscalarinus* Heilprin, No. 13250 ANSP

Strepsidura heilprini Aldrich, 1895b. Not de Gregorio, 1890
See *Strepsidura contorea* Aldrich

Strepsidura inaurata (Conrad)
See *Mazzalina inaurata* (Conrad)

"*Strepsidura laqueata*" Conrad, 1865d, p. 210, pl. 21, fig. 1; Harris, 1895b, p. 23 *nomen nudum.* "Claiborne" figured but never described Palmer, 1937, p. 322. Specimen missing ANSP Moore, 1962, p. 68

Strepsidura limula Conrad
See *Streptochetus limulus* (Conrad)

Strepsidura lintea Conrad
See *Penion delabechii* (I. Lea)

Strepsidura lirata Conrad
See *Penion delabechii* (I. Lea)

Strepsidura ? marnochi Heilprin
See *"Pusionella" marnochi* (Heilprin)

Strepsidura ? mediavia Harris **Buccinidae**

Strepsidura ? mediavia Harris, 1896, p. 91, pl. 8, figs. 16, 16a, 17; Brann and Kent, 1960, p. 819

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Locality.—ALA.: *Wilcox Co.*, on McConnico's plantation, 1½ mi. SW. of Palmer's Mill, Smith's bridge on Camden Rd., 5 mi. W. of Snow Hill (type)
Types.—Syntypes, Nos. 108, 109 PRI

Strepsidura perlata (Conrad)
See *Siphonalia perlata* (Conrad)

Strepsidura sp. **Buccinidae**

Strepsidura subscalarina Heilprin, Clark and Martin, 1901, p. 136 in part, pl. 22, figs. 5, 6. Not *S. subscalarina* Heilprin, 1881, p. 372 = *S. heilprini* de Gregorio, 1890

Range.—Paleocene. Aquia fm.
Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr.
Types.—Figured specimens, USNM

Strepsidura sp. **Buccinidae**

Strepsidura subscalarina Heilprin, Clark and Martin, 1901, p. 136 in part, pl. 22, figs. 7, 8, 8a. Not *S. subscalarina* Heilprin, 1881, p. 372= *S. heilprini* de Gregorio, 1890

Range.—Paleocene. Aquia fm.
Localities.—VA.: *King George Co.*, 2 mi. below Potomac Cr.; Potomac Cr.
Types.—Figured specimens, fig. 7, ANSP; figs. 8, 8a USNM

Strepsidura sp. **Buccinidae**

Strepsidura subscalarina Heilprin, Clark and Martin, 1901, p. 136 in part.
Not Heilprin, 1881, p. 372 = *S. heilprini* de Gregorio, 1890

Range.—Lower Eocene. Nanjemoy fm.
Localities.—VA.: *King George Co.*, Woodstock. MD.: *Charles Co.*, Popes Cr.
Types—Unfigured specimens, USNM

Strepsidura spp. **Buccinidae**

Fusus (Strepsidura) perlata Conrad, Clark, 1895, p. 4; Clark, 1896, p. 67. Not Conrad, 1835a

Strepsidura subscalarina Heilprin, Clark and Martin, 1901, p. 136 in part. Not Heilprin, 1881, p. 372 = *S. heilprini* de Gregorio, 1890

Range.—Paleocene. Aquia fm.

Localities.—VA.: *Stafford Co.*, Aquia Cr. MD.: *Charles Co.*, Liverpool Point; *Prince Georges Co.*, Upper Marboro

Types.—Unfigured specimens, USNM

"Streptochetus" conybearii (I. Lea) **Fasciolariidae**

Fusus Conybearii I. Lea, 1833, p. 149, pl. 5, fig. 154; H. C. Lea, 1849, p. 100; Harris, 1895b, p 12 [suggested variety *Fusus limulus* Conrad]

Sipho conybearii (I Lea), Conrad, 1865a, p. 16

Strepsidura conybearii (I. Lea), Conrad, 1866a, p. 19

Fusus (Strepsidura) limula Conrad, de Gregorio, 1890, p. 85 in part, pl. 7, fig. 16 copy *F. conybearii* I. Lea. Not *F. limula* Conrad, 1833c, p. 43

"Streptochetus" conybearii (I. Lea), Palmer, 1937, p. 347, pl. 86, fig. 3 type I. Lea

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5793 ANSP

Streptochetus (Streptolathyrus) interstriatus (Heilprin)
See *Latirus (Dolicholatirus) interstriatus* (Heilprin)

Streptochetus limulus (Conrad) **Fasciolariidae**

Fusus limulus Conrad, 1833c, p. 43 (Harris reprint, 1893, p. 69); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 53, pl. 18, fig. 4; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 24

Fusus acutus I. Lea, 1833, p. 149, pl. 5, fig. 153; H. C. Lea, 1849, p. 100; Harris, 1895b, p. 2 = *F. limulus* Conrad

Fusus ornatus I. Lea, 1833, p. 148, pl. 5, fig. 152; Conrad, App. *in* Morton, 1834, p. 6; H. C. Lea, 1849, p. 100; d'Orbigny, 1850, p. 363; Harris, 1895b, p. 31. Not d'Orbigny, 1843b, p. 333

Sipho ornata (I. Lea), Conrad, 1865a, p. 17

Strepsidura limula (Conrad), Conrad, 1865a, p. 17; Conrad, 1866a, p. 19

Fusus (Strepsidura) limula Conrad, de Gregorio, 1890, p. 85 in part, pl. 7, fig. 13, fig. 14 copy *F. ornatus* I. Lea, fig. 15 copy *F. acutus*, fig. 18 copy Conrad

Streptochetus limula (Conrad), Cossmann, 1893, p. 36; Cossmann, 1901b, p. 31; Palmer, 1937, p. 346, pl. 46, figs. 3, 4; pl. 86, fig. 2 *F. ornatus* I. Lea type; pl. 87, fig. 7 *F. acutus* I. Lea, type; Brann and Kent, 1960, p. 819; Glibert, 1963b, p. 147 as *limula*

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. MISS.: *Newton Co.*, Hickory

Types.—Lectotype and 4 remaining specimens, No. 13939 ANSP, Moore, 1962, p. 70. Holotype *Fusus acutus* I. Lea, No. 5790 ANSP. Holotype *F. ornatus* I. Lea, No. 5786 ANSP

Cf. **Streptochetus potomacensis** (Clark and Martin) **Fasciolariidae**

Melongena (?) potomacensis Clark and Martin, 1901, p. 136, pl. 22, fig. 9

Range.—Paleocene. Aquia fm. (type)
Locality.—VA.: *King George Co.*, Potomac Creek (type)
Type.—Holotype, No. 6880 ANSP Lea Coll.

Streptolathyrus interstriatus (Heilprin)
See *Latirus (Dolicholatirus) interstriatus* (Heilprin)

Strioturbonilla harrisi Aldrich
See *Turbonilla (Strioturbonilla) harrisi* Aldrich

Strioturbonilla major (Meyer)
See *Turbonilla (Strioturbonilla) major* Meyer

Strombina adeona (Whitfield)
See *Orthosurcula adeona* (Whitfield)

Strombina gemmata (Conrad)
See *Eopleurotoma sayi* (I. Lea)

Strombina nasuta (Whitfield)
See "*Pleurotoma*" *nasuta* Whitfield

Strombina nupera (Conrad)
See *Eopleurotoma nupera* (Conrad)

Strombina subequalis (Conrad)
See *Surculoma (Volutapex) subequalis* (Conrad)

Strombus albirupianus Dall **Strombidae**

Strombus albirupianus Dall, 1890, p. 174, pl. 12, figs. 2, 10; Cossmann, 1904b, p. 7; Schuchert, *et al.*, 1905, p. 631; Harris and Palmer, 1947, p. 307, pl. 40, figs. 1, 2

Range.—? Upper Eocene. Lower Jackson gr. Possibly Oligocene (Harris and Palmer, 1947, p. 307)
Locality.—ALA.: *Monroe Co.*, "white limestone overlying the Claiborne sands" Claiborne Bluff, Alabama R. (type)
Types.—Syntypes, No. 11431 USNM

Strombus canalis Lamarck, de Gregorio, 1890. Not Lamarck, 1803
See *Ectinochilus laqueatum* (Conrad)

Strombus (Leiorhynus) prorutus Conrad
See *Leiorhinus prorutus* (Conrad)

"Strombus" ? sp. **Strombidae**

Strombus sp. Kellum, 1926, p. 27, pl. 5, fig. 7

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Locality.—N.C.: *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353279 USNM

Stylidium anita Aldrich
See *Bittium (Stylidium) anita* Aldrich

Stylidium elegans (H. C. Lea)
See *Bittium (Stylidium) elegans* H. C. Lea

Stylidium henryleai (Palmer)
See *Bittium (Stylidium) henryleai* (Palmer)

Styliola
See Gastropoda (Pterpoda), Pt. 1, p. 359

Subularia cainei Harris
See *Eulima (Subularia) cainei* Harris

Suessionia bella (Conrad)
See *Penion bellus* (Conrad)

Suessionia delabechei (I. Lea)
See *Penion delabechii* (I. Lea)

Suessionia gracilis (Aldrich)
See *Penion gracilis* (Aldrich)

Suessionia magnocostata (I. Lea)
See *Penion bellus* (Conrad)

Sulcobuccinum (Buccinorbis) carinatum (Conrad *in* Gabb)
See *Pseudoliva vetusta carinata* Conrad *in* Gabb

Sulcobuccinum (Buccinorbis) fusiforme Conrad *in* Gabb
See *Pseudoliva vetusta* Conrad *forma* middle Eocene

Sulcobuccinum (Buccinorbis) linosa (Conrad *in* Gabb)
See *Pseudoliva vetusta linosa* Conrad *in* Gabb

Sulcobuccinum (Buccinorbis) perspectivum (Conrad *in* Gabb)
See *Pseudoliva vetusta perspectiva* Conrad *in* Gabb

Sulcobuccinum (Buccinorbis) perspectivum (Conrad *in* Gabb), Brann and Kent, 1960. Not Conrad, 1854
See *Pseudoliva vetusta carinata* Conrad *in* Gabb

Sulcobuccinum (Buccinorbis) tuberculiferum (Conrad)
See *Pseudoliva tuberculifera* Conrad

Sulcobuccinum (Buccinorbis) vetustum (Conrad)
See *Pseudoliva vetusta* (Conrad)

Sulcocypraea conradi (Schilder) **Amphiperatidae**

Cypraea dalli Aldrich, Harris, 1897a, p. 474 in part, pl. 19, figs. 6, 6a only

Eocypraea conradi Schilder, 1927, p. 74 new name *Cypraea dalli* Harris, 1897a, p. 474, in part, pl. 19, figs. 6, 6a

Sulcocypraea conradi (Schilder), Schilder, 1932, p. 223

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 7109 ANSP

Sulcocypraea healeyi (Aldrich)
See *Cypraea healeyi* Aldrich

Sulcocypraea kennedyi (Harris) **Amphiperatidae**

Cypraea kennedyi Harris, 1895a, p. 78, pl. 8, fig. 12a; Ingram, 1942, p. 14

Sulcocypraea lintea (Conrad), Schilder, 1927, p. 81 in part. Not Conrad, 1848a, p. 282

Sulcocypraea kennedyi (Harris), Schilder, 1932, p. 223; Palmer, 1937, p. 236 loc. = 708 not 707 as in Palmer; Brann and Kent, 1960, p. 829 should read 6 mi. WNW.

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.
Localities.—TEXAS: *Brazos Co.*, Dr. Collard's farm, Town Branch, Sparks Headright (type). Cf. S. C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg (loc. 708, not 707 as in Palmer, 1937
Type.—Holotype, No. 35689 BEG

Sulcocypraea lintea (Conrad), Schilder, Not *C. lintea* Conrad, 1848a
See *Sulcocypraea kennedyi* (Harris)

Sulcocypraea lintea healeyi (Aldrich)
See *Cypraea healeyi* Aldrich

Sulcocypraea mathewsonii vaughani (Johnson)
See *Sulcocypraea vaughani* (Johnson)

Sulcocypraea vaughani (Johnson) **Amphiperatidae**

Cypraea vaughani Johnson, 1899, p. 78, pl. 2, fig. 7; Ingram, 1942, p. 16, pl. 3, figs. 6, 7 holotype. Not *C. vaughani* Maury, 1912, p. 87 = *Cypraeorbis trinidadensis* Schilder, 1927, p. 98
Eocypraea vaughani (Johnson), Schilder, 1926, p. 363
Sulcocypraea vaughani (Johnson), Schilder, 1927, p. 81; Palmer, 1937, p. 236, pl. 30, figs. 21, 24; Brann and Kent, 1960, p. 829
Sulcocypraea mathewsonii vaughani (Johnson), Schilder, 1932, p. 222

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, Wautubbee. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Bienville (type) S.C.: *Orangeburg Co.*, Orangeburg district
Type.—Holotype, No. 9450 ANSP

Sullivania exilloides (Aldrich) **Turridae**

Pleurotoma exilloides Aldrich, 1886, pp. 30, 52, pl. 3, fig. 9; Cossmann, 1893, p. 44; Harris, 1899a, p. 18, pl. 2, fig. 8 type; Harris, 1937, pp. 65, 66
Pleurotoma (Genota) exilloides Aldrich, de Gregorio, 1890, p. 41, pl. 2, fig. 57 copy Aldrich
Pleurotoma exiloides [*sic*] Aldrich, Casey, 1904, p. 158

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 644619 USNM

Sullivania fisherensis (Harris) **Turridae**

Hemisurcula ? fisherensis Harris, 1937, p. 66, pl. 11, fig. 26; Brann and Kent, 1960, p. 451
Sullivania fischerensis [*sic*] (Harris), Harris and Palmer, 1947, pp. 432, 433, error for *fisherensis*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Fisher (type)
Type.—Holotype, No. 2560 PRI

Cf. **Sullivania hicoricola** (Harris) **Turridae**

Hemisurcula hicoricola Harris, 1937, p. 66, pl. 11, figs. 23-25; Brann and Kent, 1960, p. 451
Cf. *Sullivania hicoricola* (Harris), Harris and Palmer, 1947, pp. 432, 433

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MISS.: *Newton Co.*, Hickory (type); 1½ mi. S. of Hickory (not Newton as in Harris, 1937, p. 66)

Types.—Holotype, No. 2559; paratype, No. 2558 PRI

Sullivania perexilis (Aldrich) **Turridae**

Pleurotoma venusta Heilprin, 1880, p. 150, [pl.] fig. 2; Aldrich, 1897a, p. 5, pl. 4, fig. 3 holotype; Schuchert, *et al.*, 1905, p. 523. Not *P. venusta* I. Lea, 1833
Pleurotoma perexilis Aldrich, 1886, p. 30, pl. 3, fig. 2
Hemisurcula ? perexilis (Aldrich), Harris, 1937, p. 66, pl. 11, fig. 27; Brann and Kent, 1960, p. 451
Sullivania perexilis (Aldrich), Harris and Palmer, 1947, pp. 432, 433, pl. 60, figs. 1-3; Brann and Kent, 1960, p. 829

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Moodys Branch, Jackson (type)

Types.—Holotype, missing USNM, 1964. Holotype, *P. venusta* Heilprin, No. 1509 USNM

Cf. **Sullivania roscoei** (Harris) **Turridae**

Pleurotoma roscoei Harris, 1899a, p. 17, pl. 2, fig. 7; Brann and Kent, 1960, p. 717
Hemisurcula roscoei (Harris), Casey, 1904, p. 150; Harris, 1937, pp. 65, 66; Gardner, 1945, p. 247

Range.—Lower Eocene. Greggs Ldg. beds (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type)

Type.—Holotype, No 238 PRI

Cf. **Sullivania tombigbeensis** (Aldrich) **Turridae**

Pleurotoma tombigbeensis Aldrich, 1886, p. 30, pl. 3, fig. 10; Harris, 1899a, p. 20, pl. 2, figs. 12, 12a type
Pleurotoma (Surcula) tombigbeensis Aldrich, de Gregorio, 1890, p. 32, pl. 2, fig. 24 copy Aldrich in *(Clavatula)* on pl.
Hemisurcula tombigbeensis (Aldrich), Harris, 1937, p. 65
Cf. *Sullivania tombigbeensis* Harris and Palmer, 1947, p. 432

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 638777 USNM

Surcula acutirostra (Conrad)
See *Coronia childreni* (I. Lea)

Surcula adeona (Whitfield)
See *Orthosurcula adeona* (Whitfield)

Surcula alternata (Conrad)
See *Coronia ? alternata* (Conrad)

Surcula ? altispira Whitfield
See *Eopleurotoma ? altispira* (Whitfield)

Surcula annosa Conrad
See *Surculites annosus* (Conrad)

"*Surcula attenuata* Conrad" Cossmann, 1896b, p. 71 *nomen nudum.*
Probably error, no *Surcula* or *Pleurotoma attenuata* described by Conrad

Surcula beaumontii (I. Lea)
See *Eosurcula beaumontii* (I. Lea)

Surcula biseriata (Conrad)
See "*Pleurotoma biseriata*" Conrad

Surcula caelata (I. Lea)
See *Surculoma tabulata* (Conrad)

Surcula cancellata (H. C. Lea)
See *Daphnella gregoriori* (Cossmann)

Surcula capax (Whitfield)
See "*Pleurotoma*" *capax* Whitfield

Surcula childreni (I. Lea)
See *Coronia childreni* (I. Lea)

Surcula coelata (I. Lea)
See *Surculoma tabulata* (Conrad)

Surcula (Ancistrosyrinx) columbaria Aldrich
See *Ancistrosyrinx columbaria* Aldrich

Surcula depygis (Conrad)
See *Eodrillia depygis* (Conrad)

Surcula desnoyersii (I. Lea)
See *Eopleurotoma desnoyersii* (I. Lea)

Surcula Desnoyersopsis de Gregorio
See *Eopleurotoma sayi* (I. Lea)

Surcula Gabbii Conrad
See *Protosurcula gabbii* (Conrad)

Surcula n. sp. aff. *gabbi* Conrad
See *Protosurcula* sp.

Surcula gemmata (Conrad)
See *Eopleurotoma sayi* (I. Lea)

Surcula kellogii (Gabb)
See *Surculoma* ? (*Volutapex* ?) *kellogii* (Gabb)

Surcula lintea Conrad
See *Eopleurotoma desnoyersii* (I. Lea)

"*Surcula lirata* Conrad"
See *Surcula lirata* Harris

Surcula lirata Harris

Surcula lirata Conrad, 1865a, p. 18 "Proceed. A.N. Sciences" Conrad, 1866a, p. 18. Not *Pleurotoma* as listed by Harris, 1895b, and de Gregorio, 1890 *nomen nudum;* Harris, 1937, p. 38, pl. 7, fig. 9 holotype with *Eopleurotoma*

Pleurotoma (Surcula) lirata Conrad ?, de Gregorio, 1890, p. 32 *nomen nudum*

Pleurotoma lirata (Conrad), Harris, 1895b, p. 26 *nomen nudum*

Although Harris published a sketch of the holotype of Conrad's nude name, gave a measurement (text 0.5 mm., expl. pl. 10.5 mm), and locality, the specimen has since been lost, and no description was given by Harris. The reference is inserted for completeness.

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype (ANSP, Harris ca. 1900). Missing Moore, 1962, p. 72

Surcula longirostropis (de Gregorio)
See *Pleurofusia longirostropis* (de Gregorio)

Surcula monilifera (I. Lea)
See *Eopleurotoma sayi* (I. Lea)

Surcula moorei (Gabb)
See *Eosurcula moorei* (Gabb)

Surcula nasuta (Whitfield) Pl. 5, fig. 4 **Turridae**

Pleurotoma nasuta Whitfield, 1865, p. 262; Aldrich, 1886, p. 55; Harris, 1897a, p. 478, pl. 22, fig. 7; Whitfield, 1899, p. 173

Pleurotoma (Strombina) nasuta Whitfield, de Gregorio, 1890, p. 27

Surcula nasuta (Whitfield), Harris, 1899a, p. 21, pl. 2, fig. 15 copy Harris 1897a, not fig. 14 = var.

Turricula nasuta (Whitfield), Le Blanc, 1942$^+$, p. 141, pl. 17, figs. 3, 4

Range.—Lower Eocene. Tuscahoma fm. (type), middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, "6 mi. above Claiborne west side of river" Whitfield (type) probably Bells Ldg., Alabama R.; Greggs Ldg., Alabama R.; Lower Peachtree Ldg., Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R. TEXAS: *Sabine Co.*, Pendleton Bluff, Sabine R.

Types.—Syntypes (2) No. UC 24507 CNHM

Surcula nasuta (Whitfield) "var." **Turridae**

Surcula nasuta (Whitfield) var., Harris, 1899a, pp. 21, 22, pl. 2, fig. 14 as *Pleurotoma;* Brann and Kent, 1960, p. 830

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R.

Type.—Figured specimen, No. 244 PRI

Surcula nodocarinata (Gabb)
See *Hesperiturris nodocarinatus* (Gabb)

Surcula nodo-carinata (Gabb), Heilprin, 1891a, p. 394 in part. Not Gabb, 1860d *fide* Harris, 1937
See *Trypanotoma terebriformis* (Meyer)

Surcula nupera (Conrad)
See *Eopleurotoma nupera* (Conrad)

Surcula obliqua (H. C. Lea)
See *Eopleurotoma sayi* (I. Lea)

Surcula ostrarupis Harris
See *Coronia ostrarupis* (Harris)
See also *"Pleurotoma"* sp.

Surcula perobesa Whitfield
See *Surculoma ? perobesa* (Whitfield)

Surcula persa (Whitfield)
See *Orthosurcula persa* (Whitfield)

Surcula rugatina Conrad *nomen nudum*
See *Eopleurotoma rugatina* Harris, 1937

Surcula rugosa (I. Lea)
See *Eopleurotoma rugosa* (I. Lea)

Surcula sayi (I. Lea)
See *Eopleurotoma sayi* (I. Lea)

Surcula subequalis (Conrad)
See *Surculoma (Volutapex) subequalis* (Conrad)

Surcula tabulata (Conrad)
See *Surculoma tabulata* (Conrad)

"Surcula" taltibia de Gregorio **Turridae**

Pleurotoma (Surcula) taltibia de Gregorio, 1890, p. 30, pl. 2, figs. 16-18
Drillia taltibia (de Gregorio), Cossmann. 1893, p. 46
"Pleurotoma (Clavatula) [*sic*] *taltibia"* de Gregorio, Harris, 1937, p. 50, pl. 9 fig. 34 copy de Gregorio

Range.—Middle Eocene. Presumably Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Surcula texana (Gabb) Conrad, 1866a
See *Trypanotopsis texana* (Gabb) not Conrad as in Conrad, 1866a

Surcula texana (Gabb)
See *Trypanotopsis texana* (Gabb)

Surcula tombigbeensis Aldrich
See *Sullivania tombigbeensis* (Aldrich)

Surcula Tuomeyi (Aldrich)
See *Eosurcula tuomeyi* (Aldrich)

Surculites annosus Conrad **Turridae**

Surcula (Surculites) annosa Conrad, 1865e, p. 213, pl. 20, fig. 9; Conrad, 1868, p. 732; Stewart, 1927, p. 421 *annosus*

Surcula annosa Conrad, Conrad, 1866a, p. 18; Whitfield, 1899, p. 175

Surculites annosus (Conrad), Whitfield, 1892, p. 218, pl. 33, fig. 14; Gardner, 1935, p. 221; Harris, 1937, pp. 63, 65, pl. 11, fig. 20 copy Conrad *annosa;* Wrigley, 1939, p. 281, pl. 18, fig. 7; Wenz, 1943, p. 1390, fig. 3927 copy Whitfield; Gardner, 1945, p. 231

Cf. *Pleurotoma surculitiformis* Whitfield, 1892, p. 215, pl. 33, figs. 3, 4; Whitfield, 1899, p. 173

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type)

Types.—Holotype, No. 7852 State Mus., Trenton, N.J. Syntypes *Pleurotoma surculitiformis* Whitfield, No. 7845 State Mus., Trenton, N.J.

Surculites cabezai Gardner **Turridae**

Surculites engonata (Heilprin), Harris, 1937, p. 64 in part, pl. 11, figs. 16-18; Wrigley, 1939, p. 281 in part; Brann and Kent, 1960, p. 830. Not *Fusus (Hemifusus ?) engonata* Heilprin, 1881, p. 372

Surculites cabezai Gardner, 1945, p. 232, pl. 15, figs. ? 20, ? 21; pl. 16, figs. 1, 4, 7

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville (middle bed USGS 10386), Colorado R. (type)

Type.—Holotype, No. 497417 USNM

Surculites cabezai exoletus Harris **Turridae**

Surculites engonata exoleta Harris, 1937, p. 65, pl. 11, fig. 19; Gardner, 1945, p. 233

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, missing BEG, 1964

Surculites cadaverosus Whitfield **Turridae**

Surculites cadaverosus Whitfield, 1892, p. 219, pl. 33, figs. 15, 16; Whitfield, 1899, p. 175

Cf. *Surculites curtus* Whitfield, 1892, p. 220, pl. 33, figs. 17-19; Whitfield, 1899, p. 175

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Localities.—N.J.: *Monmouth Co.*, Shark R. (type); Farmingdale
Types.—Holotype and paratype, No. 7843 State Mus., Trenton, N.J. Syntypes, *Surculites curtus* Whitfield, No. 7850 State Mus., Trenton, N.J.

Surculites curtus Whitfield
See *Surculites cadaverosus* Whitfield

Surculites engonatus (Heilprin) **Turridae**

Fusus (Hemifusus ?) engonatus Heilprin, 1881, p. 372, pl. 20, fig. 8
Fusus engonatus Heilprin, Aldrich, 1886, p. 52
Chrysodomus engonatus (Heilprin), Harris, 1899a, p. 47, pl. 6, fig. 4; not Clark and Martin, 1901, p. 140, pl. 23, fig. 6 = *Surculites* sp.; Brann and Kent, 1960, p. 215
Surculites engonatus (Heilprin), Gardner, 1935, p. 221; Harris, 1937 in part, p. 64, not p. 65, pl. 11, figs. 16-18 = *S. cabezai* Gardner; Wrigley, 1939, p. 281 in part; Gardner, 1945, p. 232; not Brann and Kent, 1960, p. 830 = *S. cabezai* Gardner

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 14329 ANSP *fide* Gardner, 1945, p. 232

Surculites engonatus (Heilprin), Harris, 1937, p. 64 in part; Brann and Kent, 1960.
Not *Fusus engonatus* Heilprin, 1881
See *Surculites cabezai* Gardner

Surculites sp. **Turridae**

Chrysodomus engonatus (Heilprin), Clark and Martin, 1901, p. 140, pl. 23, fig. 6. Not *Fusus (Hemifusus) engonatus* Heilprin, 1881, p. 372

Range.—Paleocene. Aquia fm.
Locality.—VA.: *King George Co.*, 2 mi. below Potomac Cr.
Type.—Figured specimen, USNM

"Surculites" sp. **Turridae**

Surculites sp. Gardner, 1935, p. 221; Wrigley, 1939, p. 281

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Kaufman Co.*, USGS Sta. 10744, 2½ mi. NE. of Kemp
Type.—Unfigured specimen probably USNM

Surculoma (Volutapex) calantica Harris **Turridae**

"Peratotoma dalli" Cossmann in collection USNM No. 137409 *fide* Harris, 1937, p. 55. Not Cossmann, 1893, p. 47
Surculoma calantica Harris, 1937, p. 55, pl. 10, fig. 19; Brann and Kent, 1960, p. 830

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2533 PRI

Surculoma dumblei (Harris) **Turridae**

Pleurotoma (Drillia) dumblei Harris, 1895a, p. 59, pl. 5, fig. 2
Surculoma dumblei (Harris), Casey, 1904, p. 154
Turricula (Surculoma) dumblei (Harris), Harris, 1937, p. 54, pl. 10, fig. 16 holotype

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type) ?

Type.—Holotype, No. 35576 BEG

Surculoma (Volutapex) falsabenes Harris **Turridae**

Surculoma falsabenes Harris, 1937, p. 56, pl. 10, fig. 21; Brann and Kent, 1960, p. 830

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)

Type.—Holotype, No. 2535 PRI

Surculoma ? (Volutapex ?) fita (de Gregorio) **Turridae**

Pleurotoma (Drillia) fita de Gregorio, 1890, p. 37, pl. 2, figs. 39-41; Harris, 1937, p. 57
Drillia (Cymatosyrinx) fita (de Gregorio), Cossmann, 1896b, p. 88
Eodrillia depygis fita (de Gregorio), Casey, 1904, p. 160
Surculoma ? kellogi (Gabb) var., Harris, 1937, p. 57, pl. 10, fig. 24b copy de Gregorio *P. fita*

Range.—Middle Eocene. Presumably Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Surculoma ? floweri Harris
See *Turricula (Surculoma ?) floweri* Harris

Surculoma ? (Volutapex ?) kellogii (Gabb) **Turridae**

Turris Kellogii Gabb, 1860d, p. 379, pl. 67, fig. 10
Surcula kellogii (Gabb), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18; Heilprin, 1891a, p. 394
Pleurotoma (Drillia) kellogi (Gabb), Harris, 1895a, p. 60, pl. 5, fig. 6
Turricula (Surculoma ?) kellogi (Gabb), Harris, 1937, p. 56, pl. 10, fig. 24 copy Harris, 1895a, not holotype
Turricula (Pleurofusia) kellogii (Gabb), Glibert, 1960b, p. 33

Range.—Middle Eocene. Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: "Wheelock" (Gabb type) = *Robertson Co.*, Town Branch of Cedar Creek near Wheelock *fide* Stenzel, Krause, and Twining, 1957, p. 11; *Houston Co.*, Hurricane Bayou, Marsters' Survey, near Crockett

Types.—Syntypes, 13286 ANSP

Surculoma ? (Volutapex ?) kellogii (Gabb) "var." **Turridae**

Turricula (Surculoma ?) kellogi (Gabb), var., Harris, 1937, p. 56 in part, pl. 10, fig. 24a; Brann and Kent, 1960, p. 830 [add or Newton, Newton Co. to locality]

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.

Locality.—LA.: *Sabine Par.*, near Columbus (in text) or *Newton Co.*, Newton (on expl. of pl.)

Type.—Figured specimen, No. 2537 PRI

Surculoma ? *kellogi* (Gabb) "var." Harris, 1937 in part
See also *Surculoma* ? *(Volutapex* ?) *fita* (de Gregorio)

Surculoma leoncola (Harris) **Turridae**

Pleurotoma leoncola Harris, 1895a, p. 58, pl. 5, fig. 1

Turricula (Surculoma) leoncola (Harris), Harris, 1937, p. 53, pl. 10, fig. 15 holotype

Range.—Middle Eocene. Middle Claiborne gr.

Locality.—TEXAS: *Leon Co.*, 7 mi. S. of Jewett (type)

Type.—Holotype, No. 638972 USNM

Surculoma ? nebulosa (Harris) **Turridae**

Pleurotoma nebulosa Harris, 1899a, p. 13, pl. 2, fig. 1; Brann and Kent, 1960, p. 717

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type); *Wilcox Co.*, 3 mi. SW. of Thomasville

Type.—Holotype, No. 233 PRI

Surculoma penrosei (Harris) **Turridae**

Pleurotoma huppertzi penrosei Harris, 1895a, p. 58, pl. 4, fig. 10

Surculoma penrosei (Harris), Casey, 1904, p. 154; Gardner, 1945, p. 243

Turricula ("Surculoma") penrosei (Harris), Harris, 1937, p. 53, pl. 10, fig. 13; Brann and Kent, 1960, p. 892

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); Bombshell Bluff, Colorado R., about 1½ mi. WNW. of Devil's Eye

Type.—Holotype, No. 35606 BEG (No. 748 Texas State Mus. "Smithville, Tex.")

Surculoma penrosei tabulella Harris **Turridae**

Turricula ("Surculoma") penrosei tabulella Harris, 1937, p. 53, pl. 10, fig. 12; Brann and Kent, 1960, p. 892

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Clarke Co.*, Wautubbee (type)

Type.—Holotype, No. 2530 PRI

Surculoma ? perobesa (Whitfield) **Turridae**

Surcula perobesa Whitfield, 1892, p. 217, pl. 33, figs. 5, 6; Whitfield, 1899, p. 175

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Holotype and paratype, No. 7848 State Mus., Trenton, N.J.

Surculoma (Volutapex) sabinicola Harris **Turridae**

Surculoma sabinicola Harris, 1937, p. 56, pl. 10, fig. 20; Brann and Kent, 1960, p. 831

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type), (exact outcrop not designated, see Veatch Survey, 1902, pp. 129, 130)
Type.—Holotype, No. 2534 PRI

Surculoma ? servatoidea (Aldrich) **Turridae**

Pleurotoma servatoidea Aldrich, 1895b, p. 7, pl. 4, fig. 5; Harris, 1899a, p. 15, pl. 2, figs. 3, 4 young; Gardner, 1945, p. 243, pl. 25, figs. 18, 21 holotype; Brann and Kent, 1960, p. 718
Microsurcula servatoidea (Aldrich), Harris, 1899a, pl. 2, fig. 4 *in* Casey, 1904, p. 156; Harris, 1937, p. 78 see under *nucleola*

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bashi mem. Hatchetigbee fm., upper Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R., (type); *Clarke Co.*, Woods Bluff, Tombigbee R.
Type.—Holotype, No. 644627 USNM

Surculoma stantoni (Vaughan) **Turridae**

Pleurotoma stantoni Vaughan, 1896, p. 34, pl. 2, fig. 5; Schuchert, *et al.*, 1905, p. 523
Surculoma stantoni (Vaughan), Casey, 1904, p. 154
Turricula (Surculoma) stantoni (Vaughan), Harris, 1937, p. 53, pl. 10, fig. 14 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Holotype, No. 147042 USNM

Surculoma (Volutapex) subequalis (Conrad) **Turridae**

Pleurotoma subequalis Conrad, 1835a, p. 51, pl. 17, fig. 18 (Harris reprint, 1893, p. 107, pl. 17, fig. 18); Harris, 1895b, p. 43
Surcula subequalis (Conrad), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Pleurotoma (Strombina) subequalis Conrad, de Gregorio, 1890, p. 27, pl. 1, fig. 80 copy Conrad
? *Surculoma subequalis* (Conrad), Casey, 1904, p. 154
Turricula (Surculoma) subequalis (Conrad), Harris, 1937, p. 56, pl. 10, fig. 22 holotype

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 13343 ANSP, Moore, 1962, p. 98

Surculoma (Volutapex) subequalis (Conrad) "var." **Turridae**

Turricula (Surculoma) subequalis (Conrad) var., Harris, 1937, p. 56, pl. 10, fig. 23; Brann and Kent, 1960, p. 831 [add "var." No. 2536]

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Locality.—MISS.: *Newton Co.*, Newton
Type.—Figured specimen, No. 2536 PRI

Surculoma tabulata (Conrad) **Turridae**

Pleurotoma tabulata Conrad, 1833c, p. 46; (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 50, pl. 17, fig. 14 (Harris reprint, 1893, p. 106, pl. 17, fig. 14); H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 359; Harris, 1895b, p. 44
Pleurotoma coelata I. Lea, 1833, p. 132, pl. 4, fig. 123; H. C. Lea, 1849, p. 104; Harris, 1895b, p. 12 = *P. tabulata* Conrad
Surcula caelata (I. Lea), Conrad, 1865a, p. 18; Conrad, 1866a, p. 18
Surcula tabulata (Conrad), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18
Pleurotoma (Raphitoma) coelata (I. Lea), de Gregorio, 1890, p. 42, pl. 3, fig. 2 copy I. Lea
Pleurotoma (Raphitoma) tabulata (Conrad), de Gregorio, 1890, p. 43, pl. 3, fig. 3 copy Conrad
Amblyacrum tabulatum (Conrad), Cossmann, 1893, p. 46, pl. 2, fig. 24; Cossmann, 1896b, p. 138 under *Peratotoma*
Surculoma tabulata (Conrad), Casey, 1904, p. 154; Gardner, 1945, p. 242
Surculoma tabulatum (Conrad), Cossmann, 1906b, p. 222, pl. 14, figs. 14, 15 under *Peratotoma*
Turricula (Surculoma) tabulata (Conrad), Harris, 1937, p. 54, pl. 10, figs. 18, 18a; Brann and Kent, 1960, p. 893
Raphitoma (Surculoma) tabulata (Conrad), Wenz, 1943, p. 1452, fig. 4110 copy Cossmann; Glibert, 1960b, p. 90

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—*Pleurotoma tabulata* Conrad, possible syntypes (6) No. 13336 ANSP Moore, 1962, p. 101. Holotype, *P. coelata* I. Lea, No. 5684 ANSP

Surculoma tabulata rignana (de Gregorio) **Turridae**

Pleurotoma (Raphitoma) rignana de Gregorio, 1890, p. 42, pl. 3, fig. 1; Cossmann, 1893, p. 46 = *Amblyacrum tabulatum* (Conrad)
Turricula (Surculoma) tabulata rignana (de Gregorio), Harris, 1937, p. 55, pl. 10, fig. 17 holotype

Range.—Middle Eocene. Presumably Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Sveltella mericana Harris *in* Cossmann, 1899b, p. 30 *nomen nudum*

Sveltella parva (I. Lea) **Cancellariidae**

Cancellaria parva I. Lea, 1833, p. 142, pl. 5, fig. 141; H. C. Lea, 1849, p. 97; Crosse, 1861, p. 255; Conrad, 1865a, p. 32 in subg. *Babylonella;* Conrad, 1866a, p. 13; de Gregorio, 1890, p. 50, pl. 3, fig. 34 copy I. Lea, fig. 35 [poor figure]; Harris, 1895b, p. 33. Not *C. parva* Philippi, 1860, p. 187

Cancellaria ? percostata de Gregorio, 1890, p. 48, pl. 3, figs. 21, 22

Sveltella parva (I. Lea), Cossmann, 1893, p. 41; Cossmann, 1899b, p. 30; Palmer, 1937, p. 447, pl. 70, figs. 11-13; pl. 89, fig. 6 type; Brann and Kent, 1960, p. 831

Narona (Sveltella) parva (I. Lea), Glibert, 1960a, p. 73

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg. Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.

Types.—Lectotype, No. 5731 ANSP. Holotype *Cancellaria percostata* de Gregorio, formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Sveltella sotoensis (Aldrich) **Cancellariidae**

Cancellaria ? sotoensis Aldrich, 1908b, p. 74, pl. 5, fig. 3

Cancellaria sotoensis Aldrich, Palmer, 1937, p. 457, pl. 70, figs. 5, 14 holotype, 2 views

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—MISS.: *Clarke Co.*, De Soto (type)

Type.—Holotype, No. 639051 USNM

"Sveltella" turritissima (Meyer) **Cancellariidae**

Cancellaria turritissima Meyer, 1886b, p. 73 as *Cancillaria*, pl. 1, fig. 15; de Gregorio, 1890, p. 48, pl. 3, fig. 27 copy Meyer

Sveltella turritissima (Meyer), Cossmann, 1893, p. 41

"Sveltella" turritissima (Meyer), Palmer, 1937, p. 448, pl. 70, fig. 17 copy type

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 638829 USNM

Sveltia alveata (Conrad) **Cancellariidae**

Cancellaria alveata Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 5; Conrad, 1835a, p. 44, pl. 16, fig. 19 (Harris reprint, 1893, p. 100, pl. 16, fig. 19); H. C. Lea, 1849, p. 97 d'Orbigny, 1850, p. 355; Crosse, 1861, p. 255; Conrad, 1865a, p. 31; Conrad, 1866a, p. 12; de Gregorio, 1890, p. 48, pl. 3 as *aveolata* [*sic*], figs. 23, 24; fig. 25 copy Conrad, fig. 26 *sculptura* I. Lea; Harris, 1895b, p. 4; ? Aldrich, 1921, p. 7

Cancellaria sculptura I. Lea, 1833, p. 140, pl. 5, fig. 137; H. C. Lea, 1849, p. 97; Crosse, 1861, p. 255; Harris, 1895b, p. 4 under *C. alveata*

Cancellaria tessellata I. Lea, 1833, p. 140, pl. 5, fig. 138; H. C. Lea, 1849, p. 97; Conrad, 1866a, p. 13; de Gregorio, 1890, p. 50, pl. 3, fig. 33 copy Lea. Not *C. tessellata* G. B. Sowerby I, 1832a, p. 51

Cancellaria Leai Crosse, 1861, p. 255 new name *C. tessellata* I. Lea. Not *C. tessellata* G. B. Sowerby I, 1832a, p. 51. See Palmer and Brann, Pt. II, p. 473

Cancellaria (Babylonella) tessellata I. Lea, Conrad, 1865a, p. 32

Babylonella alveata (Conrad), Cossmann, 1893, p. 41 *Sveltia alveata* (Conrad), Cossmann, 1899b, p. 21; Palmer, 1937, p. 445, pl. 70, figs. 18-20; pl. 89, fig. 2 type *C. sculptura* I. Lea, pl. 89, fig. 17 type *C. tessellata* I. Lea; Brann and Kent, 1960, p. 831 [read p. 456 for p. 445]

Narona (Sveltia) alveata (Conrad), Glibert, 1960a, p. 71

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type). S.C.: *Orangeburg Co.,* about 3 mi. WNW. of Orangeburg; 6 mi. WNW. of Orangeburg

Types.—Lectotype ANSP missing Moore, 1962, p. 37. Holotype *C. sculptura* I. Lea, No. 5725 ANSP. Holotype *C. tessellata* I. Lea, No. 5728 ANSP

Sveltia gilberti (Aldrich) **Cancellariidae**

Cancellaria Gilberti Aldrich, 1921, p. 13, pl. 1, fig. 29

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Locality.—ALA.: *Monroe Co.,* Greggs Ldg., Alabama R. (type)

Type.—Holotype, No. 52 GSATC

Sveltia (Aneurystoma) priama (Harris) **Cancellariidae**

Cancellaria priama Harris, 1895b, p. 49, pl. 1, fig. 2; Wheeler, 1909, p. 98

Sveltia (Aneurystoma) priama (Harris), Palmer, 1937, p. 448, pl. 70, figs. 27-29 Nos. not 3120, 3121 as in expl. of pl. see Brann and Kent, 1960, p. 831

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type)

Type.—Holotype, originally broken beyond restoration. No depository

Cf. Sveltia sp. **Cancellariidae**

Cancellaria sp. Clark and Martin, 1901, p. 129, pl. 21, fig. 2

Range.—Paleocene. Aquia fm.

Localities.—VA.: *King George Co.,* 2 mi. below Potomac Creek; Potomac Creek

Type.—Figured specimen, USNM

Sycospira eocensis Palmer **Volutidae**

Sycospira eocensis Palmer *in* Richards and Palmer, 1953, p. 36, pl. 7, figs. 1-3, 9

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Locality.—FLA.: *Levy Co.,* road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type)

Types.—Holotype, No. I-7620; paratype, No. I-7621, Fla. Geol. Sur.

Sycostoma americanae Palmer **? Buccinidae**

Sycostoma americanae Palmer, 1937, p. 325, pl. 46, figs. 7, 9; Brann and Kent, 1960, p. 831

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 3106 PRI

Sycostoma enterogramma (Gabb)
See *Bolis enterogramma* (Gabb)

Sycostoma enterogramma (Gabb), Palmer, 1937 in part
See *Bolis lisboa* Gardner

Sycotypus penitus (Conrad)
See *Ficopsis penita* (Conrad)

Sycum (Bulbifusus) inauratum (Conrad)
See *Mazzalina inaurata* (Conrad)

Syrnola dalli Cossmann
See *Pyramidella (Syrnola) dalli* Cossmann

Syrnola dalli Cossmann var. Harris, 1899a
See *Pyramidella* sp.

Syrnola elevata (I. Lea)
See *Pyramidella (Longchaeus) larvata* Conrad

Syrnola meyeri Cossmann
See *Pyramidella (Syrnola) meyeri* (Cossmann)

Syrnola mitchelliana (Aldrich)
See *Pyramidella (Syrnola) mitchelliana* (Aldrich)

Syrnola perexilis (Conrad)
See *Pyramidella perexilis* (Conrad)

Syrnola propeacicula Cossmann
See *Pyramidella (Syrnola) propeacicula* Cossmann

Syrnola (Orina) striata (I. Lea)
See *Pyramidella (Ulfa) cossmanni* Dall and Bartsch

Syrnola trapaquara Harris, 1895a
See *Odostomia trapaquara* (Harris)

Syrnola trapaquara Harris, 1899a
See *Odostomia insignifica* Aldrich

Tahusyrinx bastropensis (Harris)
See *Ancistrosyrinx (Tahusyrinx) bastropensis* (Harris)

Taranis finexa (Harris)
See *Cancelrana finexa* (Harris)

Tectariopsis ? avonensis Palmer **Turbinidae**

Tectariopsis (?) *avonensis* Palmer *in* Richards and Palmer, 1953, p. 12, pl. 1, figs. 10, 11

Range.—Middle Eocene. Avon Park ls. (type), upper Claiborne gr.
Locality.—FLA.: *Levy Co.*, channel of Waccassassa R. in SW. ¼ SW. ¼ sec. 8, T. 14 S., R. 16 E. (type)
Types.—Holotype, No. I-7391; paratypes, Nos. I-7392-7394 Fla. Geol. Sur.

Teinostoma angulare Meyer **Vitrinellidae**

Teinostoma angularis Meyer, 1885a, p. 463; Meyer, 1886b, p. 66, pl. 1, figs. 9, 9a
Umbonium angularis (Meyer), de Gregorio, 1890, p. 140, pl. 13, figs. 28b, 29a copies Meyer
Teinostoma angulare (Meyer), Dall, 1892, p. 412; Cossmann, 1893, p. 21 as *Tinostoma;* Palmer, 1937, p. 46, pl. 2, figs. 29, 30 copies Meyer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638706 USNM

Teinostoma barryi Le Blanc **Vitrinellidae**

Teinostoma barryi Le Blanc, 1942⁺, p. 81, pl. 12, figs. 3, 4

Range.—Lower Eocene. Sabinetown fm. (type), upper Wilcox [Sabine] gr.
Locality.—TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R. (type)
Types.—Holotype, No. 6062; paratype, No. 6063 LSU Pal. Mus.

Teinostoma depressum (I. Lea)
See *Solariorbis depressus* (I. Lea)

Teinostoma eoa Gardner **Vitrinellidae**

Teinostoma eoa Gardner, 1935, p. 313, pl. 26, figs. 8-10

Range.—Paleocene. Wills Point fm. (type), upper Midway gr.
Localities.—TEXAS: *Bexar Co.*, Smith tract, Somerset field 621-638 feet, and 638-659 feet (type)
Type.—Holotype, No. 371257 USNM

Teinostoma (Idioraphe) harrisi Palmer **Vitrinellidae**

Teinostoma subrotunda (Meyer), Van Winkle and Harris, 1919, p. 12; Van Winkle, 1921, p. 8. Not *T. subrotunda* Meyer, 1886b
Teinostoma harrisi Palmer, 1937, p. 47, pl. 2, figs. 27, 28 "section" *Idioraphe;* Brann and Kent, 1960, p. 836

Range.—Lower Eocene. Nanjemoy fm. (type)
Locality.—VA.: *Hanover Co.*, Newcastle, S. side Pamunkey R., ¾-1 mi. E. of bridge on US 360 (type)
Types.—Syntypes, Nos. 2656, 2657 PRI

Teinostoma ? *laevis* Meyer, Van Winkle and Harris, 1919. Not Meyer, 1886b.
See *Vitrinella* sp.

Teinostoma moodiense Palmer **Vitrinellidae**

Teinostoma moodiense Palmer *in* Harris and Palmer, 1947, p. 221, pl. 28, figs. 1, 3; Brann and Kent, 1960, p. 837

Range.—Upper Eocene. Moody Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson "first bluff below the first bridge east of the institution for the blind" (type)
Type.—Holotype, No. 4498 PRI

[*Teinostoma*] *Tinostoma* [*sic*] *nanum* (I. Lea), Cossmann, 1893, p. 21; Cossmann, 1918b, p. 85. Not Eocene as indicated = St. Marys Miocene

Teinostoma planulatum (H. C. Lea)
See *Solariorbis* ? *planulatus* (H. C. Lea)

Teinostoma quadrangulare (Meyer)
See *Solariorbis quadrangularis* (Meyer)

Teinostoma regulare Aldrich
See *Solariorbis depressus* (I. Lea)

Teinostoma rotulum Heilprin
See *Solariorbis rotulus* (Heilprin)

Teinostoma subangulatum (Meyer)
See *Solariorbis subangulatus* (Meyer)

Teinostoma subangulatum (Meyer) "var.", Harris, 1899a
See *Solariorbis* spp.

Teinostoma subangulatum Smithi Aldrich
See *Solariorbis subangulatus smithi* (Aldrich)

Teinostoma (Idioraphe) subrotundum Meyer **Vitrinellidae**

Teinostoma subrotunda Meyer, 1885a, p. 463; Meyer, 1886b, p. 66, pl. 2, figs. 26, 26a; Cossmann, 1918b, p. 85 as *Tinostoma;* not Van Winkle and Harris, 1919, p. 12; not Van Winkle, 1921, p. 8
Teinostoma subrotundum Meyer, Dall, 1892, p. 412; Palmer, 1937, p. 47, pl. 2, figs. 31, 32 "section" *Idioraphe*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638705 USNM

Teinostoma subrotunda (Meyer), Van Winkle and Harris, 1919
See *Teinostoma harrisi* Palmer

Teinostoma texanum Palmer **Vitrinellidae**

Teinostoma texanum Palmer, 1937, p. 46, pl. 2, figs. 20-22; Brann and Kent, 1960, p. 837

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)
Type.—Holotype, No. 2658 PRI

Teinostoma (Idioraphe) verrilli Meyer **Vitrinellidae**

Teinostoma Verrilli Meyer, 1885a, pp. 463, 468; Meyer, 1886b, p. 66, pl. 2, figs. 27, 27a; Dall, 1892, p. 412 "section" *Pseudorotella;* Palmer, 1937, p. 46 "section" *Idioraphe;* Harris and Palmer, 1947, p. 222, pl. 28, figs. 2, 4 "section" *Idioraphe;* Pilsbry *in* Olsson and Harbison, 1953, p. 416; Brann and Kent, 1960, p. 837

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Jackson (type); 1st bluff below 1st bridge E. of the institution for the blind, Jackson
Type.—Holotype, No. 638707 USNM

Teinostoma sp. **Vitrinellidae**

Teinostoma sp. Gardner, 1935, p. 313

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Bastrop Co.*, 1½ mi. below Travis-Bastrop County line, 4 mi. below Webberville, Colorado R.
Type.—Specimen, (USGS sta. 11914) presumably USNM

Telescopium chamberlaini Johnson
See *Cerithiella chamberlaini* (Johnson)

Tella magnoumbilicata (I. Lea)
See *Natica (Tella) magnoumbilicata* I. Lea

Tenagodus clairbornensis (I. Lea)
See *Tenagodus vitis* (Conrad)

Tenagodus plitus de Gregorio, Cossmann, 1893
See *Tenagodus vitis* (Conrad)

Tenagodus (Agathirses) texanus Palmer **Vermetidae**

Tenagodus (Agathirses) texana Palmer, 1937, p. 212, pl. 28, fig. 11 [*Tenagodes* typographical error]; Brann and Kent, 1960, p. 847 as *texanus*

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—TEXAS: *Brazos Co.*, Little Brazos R., 2 ½ mi. above Stone City (type)
Type.—Holotype, No. 2940 PRI

Tenagodus vitis (Conrad) **Vermetidae**

Siliquaria vitis Conrad, 1833b, p. 36 [not illus.] (Harris reprint, 1893, p. 58); Conrad, App. *in* Morton, 1834, p. 6; Conrad, 1835a, p. 47, pl. 17, fig. 2 (Harris reprint, 1893, p. 103, pl. 17, fig. 2); Conrad, 1846b, p. 211, pl. 1 [2], fig. 1; H. C. Lea, 1849, p. 105; d'Orbigny, 1850, p. 350; Dall, 1892, p. 307; Harris, 1895b, p. 48; Dall, 1915, p. 97 in part; ? Kellum, 1926, p. 27 in part

Siliquaria claibornensis I. Lea, 1833, p. 33, pl. 1, fig. 1; Conrad, App. *in* Morton, p. 6 = *vitis;* Meyer and Aldrich, 1886, p. 48; Harris, 1895b, p. 11 = *S. vitis* Conrad

Tenagodus vitis (Conrad), Mörch, 1860, p. 415; Palmer, 1937, p. 211, pl. 28, figs. 7, 10, 12, 15-17; Brann and Kent, 1960, p. 847; Glibert, 1962b, p. 109 in part

Tenagodus claibornensis (I. Lea), Mörch, 1860, p. 413; Cossmann, 1893, p. 30; Cossmann, 1912b, p. 148 as *Tenagodes*

Tenagoda [*sic*] *vitis* (Conrad), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11; de Gregorio, 1890, as *Tenagodes* [*sic*], p. 121, pl. 10, figs. 40, 41, 43; 45; fig. 42 *Claibornensis* I. Lea; fig. 45 "var." *plita* de Gregorio; pl. 11, figs. 1, 2 copy Conrad; Cossmann, 1912b, p. 148 as *Tenagodes* [*sic*]

Tenagodus plitus (de Gregorio), Cossmann, 1893, p. 30; Cossmann, 1912b, p. 150 subgenus *Pyxipoma*

Range.—Middle Eocene. Cf. McBean fm. and Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr. ? Upper Eocene. Castle Hayne ls., Jackson gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg. Cf. LA.: *Bienville Par.*, Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W., about 2 mi. NE. of Mt. Lebanon. Cf. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V.R.R.; Hickory; *Clarke Co.*, Wautubbee. Cf. N.C.: *New Hanover Co.* Wilmington, *Pender Co.*, old Rocky Point (Kellum)

Types.—Lectotype, ANSP Palmer, 1937, not recognized by Moore; remaining specimens, No. 15566 ANSP, Moore, 1962, p. 109

Tenagodus vitis var. *plita* de Gregorio
See *Tenagodus vitis* (Conrad)

Tenuiacteon pertenuis Aldrich **Acteonidae**

Tenuiacteon pertenuis Aldrich, 1921, p. 16, pl. 2, fig. 10

Tenuiactaeon pertenuis Aldrich, Zilch, 1959, p. 8

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R. (type); Greggs Ldg., Alabama R.

Type.—Holotype, No. 62 GSATC

Tenuiscala aspersa (Meyer) **Scalariidae** (Scalidae, Epitoniidae)

Eglisia aspersa Meyer, 1887a, p. 5, pl. 1, fig. 11

Scalaria staminea (Conrad), de Gregorio, 1890, p. 130 in part, pl. 12, fig. 4 only, copy *E. aspersa* Meyer

Tenuiscala aspersa (Meyer), Harris and Palmer, 1947, p. 236, pl. 28, fig. 10 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638869 USNM

Tenuiscala trapaquara Harris
See *Scalina trapaquara* (Harris)

Tenuiscala trapaquara engona Harris
See *Scalina trapaquara engona* (Harris)

Terebellum (Seraphs) belemnitum Palmer **Strombidae**

Terebellum (Seraphs) belemnitum Palmer *in* Richards and Palmer, 1953, p. 25, pl. 3, figs. 9, 12

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E.
Types.—Holotype, No. I-7642; paratype, No. I-7643 Fla. Geol. Sur.

Terebellum sp. **Strombidae**

Terebellum fusiforme Lamarck, de Gregorio, 1890, p. 116, pl. 10, figs. 7-10; Palmer *in* Richards and Palmer, 1953, p. 25. Not Lamarck, 1803, p. 390

Range.—Upper Eocene? "Ocala ls."?
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. ? [not Gosport sd. *fide* De Gregorio]
Type.—Figured specimen, De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Terebellum sp. **Strombidae**

Terebellum sp. Harris, 1890, p. 315; Kennedy, 1895, p. 114; Richards and Palmer, 1953, p. 25

Range.—Middle Eocene. Reklaw fm., lower Claiborne gr.
Localities.—TEXAS: SE. *Rush Co.*, USGS sta. 2056, Mt. Enterprise (Harris, 1890), *Cherokee Co.*, Alto (Kennedy, 1895)
Type.—Unfigured specimen presumably USNM (Harris)

"Terebra" abditiva Palmer **Terebridae**

"Terebra" abditiva Palmer *in* Harris and Palmer, 1947, p. 446, pl. 62, fig. 5; Brann and Kent, 1960, p. 847

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Type.—Holotype, No. 4799 PRI

Terebra andrega de Gregorio
See *Terebra (Mirula) mirula* de Gregorio

Terebra constricta (H. C. Lea)
See *Seila constricta* (H. C. Lea)

Terebra costata I. Lea
See *Pyramimitra terebraeformis* (Conrad)

Terebra divisura Conrad of authors. Not Conrad, 1848a
See *Terebra (Mirula) texagyra* Harris
See also *Terebra (Mirula) mirula* de Gregorio

Terebra divisura Conrad, Meyer, 1885a. Not Conrad, 1848a
See *Terebra (Mirula) jacksonensis* Cooke

Terebra gracilis I. Lea
See *Terebrifusus amoenus* (Conrad)

Terebra houstonia Harris
See *Hastula houstonia* (Harris)

Terebra ignara de Gregorio
See *Terebra ziga* de Gregorio

Terebra inula de Gregorio
See *Terebra (Mirula) mirula* de Gregorio
See also *"Hastula" venusta* (I. Lea)

Terebra (Mirula) jacksonensis Cooke **Terebridae**

Terebra jacksonensis Cooke, 1926b, p. 133, fig. 1
Terebra divisura Conrad, Meyer, 1885a, pp. 465, 468. Not Conrad, 1848a, p. 283
Terebra (Mirula) jacksonensis Cooke, Harris and Palmer, 1947, p. 447, pl. 62, figs. 1-4, 6, 7; fig. 8 copy Cooke; Brann and Kent, 1960, p. 850 [No. 4794 = pl. 62, figs. 1, 4]

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr., White Bluff fm., lower Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch (type), Jackson LA.:*Caldwell Par.*, Bunker Hill Ldg., Ouachita R. ARK.: *Jefferson Co.*, White Bluff, Arkansas R., S. bank and W. bank
Type.—Holotype, No. 353937 USNM

Terebra (Pyramimitra) leai de Gregorio
See *Pyramimitra terebraeformis* (Conrad)

Terebra (Mirula) mirula de Gregorio **Terebridae**

Terebra mut. *mirula* de Gregorio, 1890, p. 17, pl. 1, figs. 45, 46; Cossmann, 1893, p. 48
? *Terebra andrega* de Gregorio, 1890, p. 17, pl. 1, figs. 43, 44; Cossmann, 1893, p. 48 young; Cossmann, 1896b, p. 50; ? Dall, 1896b, p. 33 mutation of *T. (Acus) polygra* Conrad
Terebra inula de Gregorio, 1890, p. 18, pl. 1, figs. 50, 51; Cossmann, 1893, p. 48 young; ? Dall, 1896b, p. 33 mutation of *T. (Hastula) venusta* I. Lea
? *Terebra (Acus) mirula* de Gregorio, Dall, 1896b, p. 33 mutation of *T. (Acus) divisura* Conrad
Terebra (Terebrella) mirula de Gregorio, Palmer, 1937, p. 467 in part, pl. 72, figs. 20, 21 only copies De Gregorio. Not Brann and Kent, 1960, p. 851 = *T. texagyra* Harris
Terebra (Mirula) mirula de Gregorio, Palmer, 1942, p. 674
Terebra (Terebrellina) mirula de Gregorio, Wenz, 1943, p. 1486

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Holotypes respectively, *T. mirula* de Gregorio, *T. inula* de Gregorio, and *T. andrega* de Gregorio; formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Terebra mitis de Gregorio
See *"Hastula" venusta* (I. Lea)

Terebra multiplicata H. C. Lea
See *Terebrifusus multiplicatus* (H. C. Lea)

Terebra perlata Conrad
See "*Hastula*" *venusta* (I. Lea)

Terebra plicifera Heilprin
See *Harrisianella plicifera* (Heilprin)

Terebra (Mirula) polygyra Conrad **Terebridae**

Terebra polygyra Conrad, 1834, p. 156; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 36

Not *Terebra polygyra* Heilprin No. 6034 USNM specimen = *Hastula houstonia* (Harris). Not Conrad, 1834, p. 156

Terebra (Acus) polygyra Conrad, Dall, 1895, pp. 33, 36

Terebra (Terebrella) polygyra Conrad, Palmer, 1937, p. 469, pl. 72, fig. 15 holotype

Range.—Middle Eocene. Gosport sd., (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.

Type.—Holotype, No. 15708 ANSP Moore, 1962, p. 88

Terebra polygyra Conrad, Heilprin USNM Museum label. Not Conrad, 1834
See *Hastula houstonia* (Harris)

Terebra (Pyramimitra) terebriformis [*sic*] Conrad
See *Pyramimitra terebraeformis* (Conrad)

Terebra (Mirula) texagyra Harris **Terebridae**

Terebra texagyra Harris, 1895a, p. 54, pl. 3, fig. 10; Brann and Kent, 1960, p. 852

Terebra divisura Conrad var. ?, Meyer and Aldrich, 1886, p. 49 in part; de Gregorio, 1890, p. 17

Terebra (Terebrella) mirula de Gregorio, Palmer, 1937, p. 467 in part, pl. 72, figs. 8, 10, 11, 17-19, fig. 16 holotype *T. texagyra* Harris, not figs. 20, 21 *T. mirula* copies de Gregorio; Brann and Kent, 1960, p. 851

For purposes of this catalogue it is better to separate *T. mirula* and *T. texagyra.* Supposedly De Gregorio's material came from the Gosport sd. We have not found *T. texagyra* in the Gosport sd. De Gregorio's types are lost.

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: *Houston Co.*, Hurricane Bayou, S. fork 2 mi. W. Crockett (type Harris 1893a, ms.); *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129); *Bastrop Co.*, Smithvillle, Colorado R.; *Brazos Co.*, Little Brazos R., 2 ½ mi. above Stone City; *Lee Co.*, between Orell's and Evergreen Crossing on Elm Cr. LA.: *Sabine Par.*, Fisher

Type.—Holotype, No. 2984 PRI (not Univ. Texas as in Palmer, 1937)

Terebra venusta I. Lea
See "*Hastula*" *venusta* (I. Lea)

Terebra ziga de Gregorio **Terebridae**

Terebra ziga de Gregorio, 1890, p. 17, pl. 1, figs. 47, 48; Cossmann, 1893, p. 48; Palmer, 1937, p. 465, pl. 72, figs. 1, 7, 21 copies de Gregorio

Terebra ignara de Gregorio, 1890, p. 18, pl. 1, fig. 49

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Terebrella Palmer, 1937 *Terebridae.* Not *Terebrella* Maltzan, 1886 nor Andreae, 1887 see Palmer, 1942 = *Mirula* Palmer, 1942. *Mirula* overlooked by Wenz, 1943, p. 1486, *Terebrella* Palmer renamed *Terebrellina*

Terebrella mirula (de Gregorio)
See *Terebra (Mirula) mirula* de Gregorio
See also *Terebra (Mirula) texagyra* Harris

Terebrella polygyra (Conrad)
See *Terebra (Mirula) polygyra* Conrad

Terebrellina mirula (de Gregorio)
See *Terebra (Mirula) mirula* de Gregorio

Terebrifusus amoenus (Conrad) **Buccinidae**

Buccinum amoenum Conrad, 1833c, p. 45 (Harris 1893, reprint p. 71); Conrad, App. *in* Morton, 1834, p. 5, H. C. Lea, 1849, p. 96; Harris 1895b, p. 5; Pace, 1902, p. 52

Terebra gracilis I. Lea, 1833, p. 166, pl. 5, fig. 171; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 21 = *Buccinum amoenum* Conrad

Mitra elegans H. C. Lea, 1841, p. 102, pl. 1, fig. 22; H. C. Lea, 1849, p. 101; de Gregorio, 1890, p. 77, pl. 5, fig. 62 *Terebrifusus;* Harris, 1895b, p. 17 = *Buccinum amoenum* Conrad; Pace, 1902, p. 79

Buccinanops amoenum (Conrad), d'Orbigny, 1850, p. 369

Terebrifusus amoena (Conrad), Conrad 1865a, p. 28; Conrad, 1866a, p. 14 *amoenus*

Mitra (*Terebrifus* [*sic*]*) amoena* (Conrad), de Gregorio, 1890, p. 76, pl. 5, fig. 61 copy I. Lea

Mitra (Terebrifusus) elegans H. C. Lea, de Gregorio, 1890, p. 77, pl. 5, fig. 62 copy H. C. Lea

Buccimitra amoena (Conrad), Harris, 1895b, p. 5 no reference probably found as museum label

Terebrifusus amoenus (Conrad), Cossmann, 1893, p. 37, pl. 2, fig. 14; not Aldrich, 1895b, p. 10, pl. 1, fig. 15 = *Terebrifusus* sp.; not Harris, 1899a, p. 59, pl. 7, fig. 13 = *Terebrifusus* sp.; Cossmann, 1901b, p. 161, pl. 6, fig. 12; Palmer, 1937, p. 307, pl. 53, figs. 6, 7, 9, 10, 13, 15, 16; pl. 88, fig. 10 type *M. elegans* H. C. Lea, fig. 13 type *Terebrifusus amoenus* (Conrad), fig. 14 type *Terebra gracilis* I. Lea; Wenz, 1941, p. 1178, figs. 3349 copy Cossmann, 3350 copy Palmer; Harris and Palmer, 1947, p. 354, pl. 45, figs. 1, 2; Brann and Kent, 1960, pp. 853, 854; Glibert, 1963b, p. 65

Range.—Middle Eocene. Cf. McBean fm., upper Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. S.C.: *Orangeburg Co.*, Orangeburg district; about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg. Cf. TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Types.—Lectotype, not No. 5847 ANSP as in Moore, 1962, p. 38. Holotype, *T. gracilis* I. Lea, No. 5847 ANSP

Terebrifusus amoenus (Conrad), Aldrich, 1895b; Harris, 1899a. Not Conrad, 1833c
See *Terebrifusus* n. sp.

Terebrifusus elegans (H. C. Lea)
See *Terebrifusus amoenus* (Conrad)

Terebrifusus multiplicatus (H. C. Lea) **Buccinidae**

Terebra multiplicata H. C. Lea, 1841, p. 101, pl. 1, fig. 19; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 29 = *Buccinum amoenum* Conrad; Pace, 1902, p. 110

Mitra (Terebrifusus) multiplicata (H. C. Lea), de Gregorio, 1890, p. 77, pl. 5, fig. 65 copy H. C. Lea

Terebrifusus multiplicatus (H. C. Lea), Palmer, 1937, p. 308, pl. 53, figs. 3, 8, 11, 14; pl. 88, fig. 4 type; Brann and Kent, 1960, p. 854

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). TEXAS: *Brazos Co.*, Little Brazos R., 2 ½ mi. above Stone City

Type.—Lectotype, No. 13160 ANSP

Terebrifusus, n. sp. **Buccinidae**

Terebrifusus amoenus (Conrad), Aldrich, 1895b, p. 10, pl. 1, fig. 15; Harris, 1899a, p. 59 in part, not pl. 7, fig. 13; Brann and Kent, 1960, p. 853. Not Conrad, 1833c

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Types.—Figured specimens, No. 638933 USNM (Aldrich); No. 290 PRI (Harris)

Teretia insignifica (Heilprin)
See *Cochlespirella nana* (I. Lea)

Texania texana (Heilprin)
See *Texmelanatria texana* (Heilprin)

Texania texana (Heilprin), Palmer, 1937, p. 182 in part
See *Texmelanatria angeloi* Gardner

Texmelanatria angeloi Gardner **Melanopsidae**

Goniobasis ? texana (Heilprin), Dall, 1892, pp. 277, 286; Aldrich, 1895b, p. 14, pl. 2, fig. 3 young; probably distinct; definite locality not known, "Wheelock or Lee Co." Texas; Henderson, 1935, pp. 18, 230 in part

Cf. *Melania texana* (Heilprin), Dall *in* Palmer, 1937, p. 182

Texania texana (Heilprin), Palmer, 1937, p. 182 in part, not pl. 21, figs. 16, 21-23

Texmelanatria angeloi Gardner, 1945, p. 157, pl. 17, fig. 20 *Cerithium texanum* of authors

Range.—Middle Eocene. Lower Laredo fm., upper Claiborne gr.; upper Laredo fm. (type), upper Claiborne gr.

Localities.—MEXICO: *State of Tamaulipas,* at pass of Rio Alamo and Mier-Paras road, USGS Sta. 13987 (type). TEXAS: *Robertson Co.,* Wheelock (Dall and Aldrich); "Lee Co." (Aldrich)

Type.—Holotype, No. 497130 USNM

Texmelanatria texana (Heilprin) **Melanopsidae**

Cerithium texanum Heilprin, 1891a, pp. 401, 414, pl. 11, fig. 2

Not cf. *Melania texana* (Heilprin), Dall, 1892, p. 286 *in* Palmer, 1937, p. 182 see *T. angeloi* Gardner

Not *Goniobasis ? texana* (Heilprin), Dall, 1892, pp. 277, 286 see *Texmelanatria angeloi* Gardner, 1945

Goniobasis texana (Heilprin), Henderson, 1935, pp. 18, 230 in part. Not *G. texana* (Heilprin), Aldrich, 1895 see *Texmelanatria angeloi* Gardner

Texania texana (Heilprin), Palmer, 1937, p. 182 in part, pl. 21, fig. 16 copy Heilprin, ? figs. 21-23; ? Brann and Kent, 1960, p. 855

Texmelanatria texana (Heilprin), Palmer, 1942, p. 674; Gardner, 1945, p. 156 in part, probably not pl. 17, fig. 19

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: NW. *Webb Co.,* Rio-Grande, Station 5 (type, Heilprin); *Lee Co.; Brazos Co.,* Little Brazos R. 2½ mi. above Stone City. Probably Cedar Cr. near Wheelock, Robertson Co.

Type.—Not found AMNH, 1964

Thais clarkensis Aldrich
See cf. *Cryptochorda clarkensis* (Aldrich)

Thiara aldrichi Palmer **Thiaridae**

Thiara aldrichi Palmer, 1944, p. 7, pl. 2, figs. 7, 8

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.,* Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 112 GSATC

Tiberia (Ulfa) cossmanni Dall and Bartsch
See *Pyramidella (Ulfa) cossmanni* Dall and Bartsch

Tibia (Calyptrophorus [*sic*]*) trinodifera* Conrad
See *Calyptraphorus trinodiferus* Conrad

Tibia (Calyptraphorus) velata Conrad
See *Calyptraphorus velatus* Conrad

Tibiella.
See Gastropoda (Pteropoda), Pt. I, p. 360

Tiburnus eboreus (Conrad) **Turbinidae**

Natica eborea Conrad, 1833c, p. 46 (Harris reprint, 1893, p. 72); Conrad, App. *in* Morton, 1834, p. 4; H. C. Lea, 1849, p. 102; d'Orbigny, 1850, p. 346; Dall, 1892, p. 371; Harris, 1895b, p. 17
Turbo naticoides I. Lea, 1833, p. 125, pl. 4, fig. 114; H. C. Lea, 1849, p. 106; Harris, 1895b, p. 30
Turbo (Tiburnus) naticoides (I. Lea), de Gregorio, 1890, p. 143, pl. 13, fig. 21 copy I. Lea, figs. 22-25a, 25b, 25c, 26a, 26b, 26c
Dillwynella naticoides (I. Lea), Dall, 1892, p. 418, pl. 18, fig. 3; Schuchert, *et al.*, 1905, p. 226
"*Monilea eborea* (Wag.) Conr. Patuxent, Md.", Dall, 1892, p. 398 see Palmer, 1937, p. 57
Tiburnus naticoides (I. Lea), Cossmann, 1893, p. 21; Cossmann, 1918b, pp. 248, 249, pl. 8, figs. 34, 35
Tiburnus eborea (Conrad), Palmer, 1937, p. 56, pl. 5, figs. 21, 22, 25, 26, 29; Brann and Kent, 1960, p. 867 as *eboreus;* Glibert, 1962a, p. 49

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Missing ANSP *fide* Moore, 1962, p. 56. Holotype *Turbo naticoides* I. Lea, No. 5637 ANSP

Tiburnus naticoides (I. Lea)
See *Tiburnus eboreus* (Conrad)

Tiburnus nitens (I. Lea)
See *Norrisia (Norrisella) nitens* (I. Lea)
See also *Solariorbis planulatus* (H. C. Lea)

Tiburnus texanus (Harris) **Turbinidae**

Dillwynella ? texana Harris, 1895a, p. 84, pl. 9, fig. 13
Tiburnus texanus (Harris), Palmer, 1937, p. 57, pl. 5, figs. 3, 5, 6, fig. 7 holotype; Brann and Kent, 1960, p. 868

Range.—Middle Eocene. Stone City beds (type) middle Claiborne gr.
Localities.—TEXAS: *Houston Co.*, Jones' farm, Hurricane Bayou (type); *Lee Co.; Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R.; *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N.; R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)
Type.—Holotype, missing BEG, 1964

Timothia aldrichi (Cossmann)
See *Coralliophila (Timothia) aldrichi* (Cossmann)

Tinostoma [*sic*] *nanum* (I. Lea), Cossmann, 1893, p. 21; Cossmann, 1918b, p. 85 not Eocene = St. Marys Miocene

Tiphis see *Typhis*

Torinia (Climacopoma) scrobiculata (Conrad)
See *Architectonica scrobiculata* (Conrad)

Tornatella
See *Tornatellaea*

Tornatella bella Conrad, Clark, 1895, 1896. Not Conrad, 1860
See *Tornatellaea* sp.

Tornatella bicincta Heilprin
See *Acteon idoneus* Conrad

Tornatella (Actaeon) pomilia (Conrad)
See *Acteon pomilius* Conrad

Tornatella (Nucleopsis) subdivaricata [*sic*] (Conrad)
See *Nucleopsis subvaricata* (Conrad)

Tornatellaea bella Conrad **Acteonidae**

Tornatellaea bella Conrad, 1860, p. 294, pl. 47, fig. 23; Conrad, 1866a, p. 9; de Gregorio, 1890, p. 166 in part, *bulla* [*sic*], pl. 16, fig. 19 copy Conrad; Cossmann, 1893, p. 49; Cossmann, 1896b, pp. 148, 150; Harris, 1899a, p. 6, pl. 1, fig. 6; Clark and Martin, 1901, p. 123 in part, not pl. 20, figs. 1, 1a, 2; Gardner, 1935, p. 201 in part; Shimer and Shrock, 1944, p. 515 in part, not pl. 212, fig. 15 copy Clark and Martin, Aquia fm. = *Tornatellaea* sp.; Harris and Palmer, 1947, p. 460, pl. 64, fig. 10; Zilch, 1959, p. 7; Brann and Kent, 1960, p. 869; Glibert, 1962c, p. 31

Tornatella (Tornatellaea) bella Conrad, Heilprin, 1879b, p. 222

Not *Tornatella bella* Conrad, Clark, 1895, p. 4; Clark, 1896, p. 63 = *Tornatellaea* sp.

Actaeon (Tornatellaea) bella Conrad, Harris, 1896, p. 74 in part, not pl. 7, fig. 6; not Brann and Kent, 1960, p. 22. Not *T. bella* Conrad, 1860

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA. (Conrad, type): *Clarke Co.*, Woods Bluff, Tombigbee R. (type, herein designated); mouth of Bashi Creek; 1 ¼ mi. WSW. of Choctaw Corner; NE. *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. For further Ala. localities see Harris, 1899a, p. 7

Type.—Lectotype, No. 30691 ANSP, Moore, 1962, p. 41

Tornatellaea bella Conrad, Clark, 1895; Clark, 1896; Clark and Martin, 1901; Shimer and Shrock, 1944: Not *T. bella* Conrad, 1860
See *Tornatellaea* spp.

Tornatellaea bella Conrad, de Gregorio, 1890, in part. Not *T. bella* Conrad, 1860
See also *Tornatellaea lata* (Conrad)

Tornatellaea bella Conrad, Harris, 1896; Brann and Kent, 1960 as *Acteon (Tornatellaea) bella.* Not *T. bella* Conrad, 1860
See *Tornatellaea* sp.

Tornatellaea lata (Conrad) **Acteonidae**

Actaeon latus Conrad, App. *in* Morton, 1834, p. 4; d'Orbigny, 1850, p. 343 *Acteon*

Actaeon (Nucleopsis) latus Conrad, Conrad, 1865a, p. 34

Tornatellaea lata (Conrad), Conrad, 1865c, p. 145; Conrad, 1865d, p. 212, pl. 20, fig. 13; Conrad, 1866a, p. 9; cf. Whitfield, 1892, p. 238, pl. 36, figs. 9, 10; Harris and Palmer, 1947, p. 458, pl. 64, figs. 11-16; Brann and Kent, 1960, p. 869

Tornatellaea bella (Conrad), de Gregorio, 1890, p. 166 in part, pl. 16, not fig. 19 *bulla* [*sic*] = *bella;* fig. 20 copy *lata* Conrad; Palmer, 1937, p. 501 in part, pl. 90, fig. 21 holotype, *T. lata*

Range.—Middle Eocene. Cf. Shark R. ml., upper Claiborne gr.; Gosport sd., uppermost Claiborne gr. Upper Eocene. Moody's Branch fm., lower Jackson gr. Type horizon not differentiated until type locality designated.

Localities.—"Alabama?" Conrad, 1865d, p. 212 [type locality not differentiated]. *Clarke Co.*, Little Stave Cr.; *Washington Co.*, Baker's Bluff (Gopher Hill); *Choctaw Co.*, Bladon Springs rd. ¾ mi. E. of Fail P.O. MISS.: *Clarke Co.*, Garland Cr., near Shubuta, ½ - 1 mi. below old bridge site, about 4 mi. NE. of Shubuta, and 1 - 2 mi. above bridge site. Cf. N.J.: *Monmouth Co.*, Shark R. (Whitfield)

Type.—Probable holotype, No. 30695 ANSP, Moore, 1962, p. 69

Tornatellaea quercollis Harris **Acteonidae**

Actaeon (Tornatellaea) quercollis Harris, 1896, p. 74, pl. 7, fig. 4

Tornatellaea quercollis Harris, Gardner, 1935, p. 202, pl. 20, fig. 4 holotype

Range.—Paleocene. Clayton fm., lower Midway gr. (type)

Localities.—ALA.: *Wilcox Co.*, Prairie Creek (type); ½ mi. W. of Graveyard Hill. TENN.: *Hardeman Co.*, "Hannah's bed", 1¾ mi. NE. of Crainesville

Type.—Holotype, No. 129607 USNM

Tornatellaea texana Gardner **Acteonidae**

Tornatellaea texana Gardner, 1935, p. 202, pl. 20, fig. 5

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm. (type), upper Midway gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R. about 5 mi. below Webbervillle (type); 4 mi. below Webbervillle; Colorado R., 1½-2 mi. below Travis-Bastrop Co. line

Type.—Holotype, No. 370981 USNM

Tornatellaea sp. **Acteonidae**

Actaeon (Tornatellaea) bella Conrad, Harris, 1896, p. 74 in part, pl. 7, fig. 3; Brann and Kent, 1960, p. 22. Not *T. bella* Conrad, 1860, p. 294

Range.—Paleocene. Porters Creek fm., upper Midway gr.

Localities.—MISS.: *Tippah Co.*, ½ mi. N. of Ripley. *ALA.: Sumter Co.*, Black Bluff, Sucarnoochee Cr., junction with Tombigbee R.; *Wilcox Co.*, 1 mi. N. of Midway

Type.—Figured specimen, No. 83 PRI

Tornatellaea spp. **Acteonidae**

Tornatellaea spp. Gardner, 1935, pp. 201, 203

Range.—Paleocene. Kincaid fm., lower Midway gr.; Wills Point fm., upper Midway gr.

Localities.—TEXAS: *Milam Co.*, Milam Bluff, Brazo R. near Falls County line; *Caldwell Co.*, 5 mi. NE. of Staples; 5 ½ mi. due N. of Lockhart; *Williamson Co.*, Dry Bushy Creek, 6 mi. S. of Thrall; ? *Bexar Co.*, Leon Creek
Type.—Unfigured specimens probably USNM

Tornatellaea sp. **Acteonidae**

Tornatella bella Conrad, Clark, 1895, p. 4; Clark, 1896, p. 63
Tornatellaea bella Conrad, Clark and Martin, 1901, p. 123 in part, pl. 20, figs. 1, 1a, 2; Shimer and Shrock, 1944, p. 515 in part, pl. 212, fig. 15 copy Clark and Martin

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Stafford Co.*, Aquia Cr.; *Prince Georges Co.*, Upper Marlboro, 1 mi. NE. of Piscataway. VA.: *King George Co.*, Potomac Cr.
Type.—Figured specimen, USNM

Tornatellaea sp. **Acteonidae**

Tornatellaea bella Conrad, Clark and Martin, 1901, p. 123 in part, not pl. 20, figs. 1, 1a, 2=Aquia fm.

Range.—Lower Eocene. Nanjemoy fm.
Localities.—MD.: *Charles Co.*, W. of Port Tobacco; *Prince Georges Co.*, 1 mi. SE. Piscataway. VA.: *King George Co.*, Woodstock
Types.—Unfigured specimens, USNM

"Tornatina" angelinae Harris **Scaphandridae**

Tornatina angelinae Harris *in* Van Winkle and Harris, 1919, p. 17, pl. 2, fig. 14; Brann and Kent, 1960, p. 869
"*Tornatina*" *angelinae* Harris, Palmer, 1937, pp. 485, 495; Harris and Palmer, 1947, p. 456

Range.—Middle Eocene. Claiborne gr. (type). See Palmer, 1937, p. 485 and Harris and Palmer, 1947, p. 456
Locality.—TEXAS: *Angelina Co.*, Angelina R., 2 mi. above Marion (type)
Type.—Holotype, No. 1413 PRI

Tornatina leai (Aldrich)
See *Acteocina leai* (Aldrich)

Tornatina wetherilli (I. Lea) [*wetherelli*]
See *Acteocina wetherilli* (I. Lea)

Tornus (Adeorbis) exacuus (Conrad)
See *Cyclostremiscus exacuus* (Conrad)

Tornus infraplicatus (Johnson) **Vitrinellidae**

Adeorbis infraplicatus Johnson, 1899, p. 81, pl. 2, figs. 13, 14
Tornus infraplicatus (Johnson), Harris and Palmer, 1947, p. 231, pl. 27, figs. 17, 18; Brann and Kent, 1960, p. 870

Range.—Upper Eocene. Moody's Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 7472 ANSP

Tornus (Adeorbis) laevis Meyer, Cossmann, 1918b, p. 99 not Eocene (= Oligocene)

Tornus subangulatus (Meyer)
See *Solariorbis subangulatus* (Meyer)

"Tortoliva" texana Conrad **Olividae**

Tortoliva texana Conrad, 1865a, p. 22; Conrad, 1865c, p. 143, pl. 21, fig. 4; Conrad, 1865d, p. 210, pl. 21, fig. 4; Conrad, 1866a, p. 17
Olivula? texana (Conrad), Heilprin, 1891a, p. 398
Ancilla (Tortoliva) texana Conrad, Cossmann, 1899b, p. 67
"Tortoliva" texana Conrad, Palmer, 1937, p. 435, pl. 68, fig. 2 copy Conrad
Ancilla (? Tortoliva) texana Conrad, Wenz, 1943, p. 1276, fig. 3633 copy Conrad

Range.—Eocene presumably.
Locality.—TEXAS: presumably.
Type.—Missing ANSP verified Moore, 1962, p. 102

Transovula (Transovula) eugenei regularoidea (Aldrich)
See *Neosimnia regularoidea* (Aldrich)

Transovula eugenei texana (Johnson)
See *Neosimnia texana* (Johnson)

Transovula (Oxycypraea) naviculae Palmer **Amphiperatidae**

Transovula (Oxycypraea) naviculae Palmer, 1937, p. 238, pl. 30, figs. 15, 23; Brann and Kent, 1960, p. 871

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Locality.—TEXAS: *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W. Sabine Par., La., Outcrop No. 21 (Veatch, 1902, p. 129) (type)
Type.—Holotype, No. 2959 PRI

Transovula (Oxycypraea) symmetrica (Aldrich) **Amphiperatidae**

Ovula symmetrica Aldrich, 1903, p. 99, pl. 3, fig. 10
Transovula (Orycypraea) symmetrica (Aldrich), Palmer, 1937, p. 237, pl. 30, fig. 22 copy Aldrich [*Oxcypraea* typographical error]

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, 3½ mi. below Quitman, Chickasawhay R. (type); McLeod's Mill, Suwanlovey Cr., 6 mi. W. De Soto Station on railroad.
Type.—Holotype, No. 639016 USNM

Transovula (Oxycypraea) transovuloides (Schilder) **Amphiperatidae**

Cypraea attenuata Johnson, 1899, p. 78, pl. 2, fig. 8. Not *C. attenuata* Edwards, 1865, p. 539
Cypraea transovuloides Schilder, 1926, p. 361, new name for *C. attenuata* Johnson, 1899
Cypropterina (Jenneria) transovuloides (Schilder), Schilder, 1927, p. 72
Transovula (Oxycypraea) transovuloides (Schilder), Schilder, 1932, p. 224; Palmer, 1937, p. 238, pl. 30, fig. 14 copy Johnson

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 8583 ANSP

Trematofusus venustus Whitfield **Fasciolariidae ?**

Trematofusus venustus Whitfield, 1892, p. 235, pl. 35, figs. 5-7; Whitfield, 1899, p. 176 as *vetustus*

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, not found Rutgers, 1965

Triforis americanus Aldrich
See *Sinistrella americana* (Aldrich)

Triforis distinctus Meyer
See *Triphora distincta* (Meyer)

Triforis major Meyer
See *Triphora major* (Meyer)

Triforis similis Meyer
See *Triphora similis* (Meyer)

Triforis sp. Meyer, 1886
See *Triphora similis meyeri* de Gregorio

Trigonostoma aurorae Palmer **Cancellariidae**

Trigonostoma aurorae Palmer, 1937, p. 445, pl. 73, figs. 14-16; Brann and Kent, 1960, p. 873

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.; Gosport sd., uppermost Claiborne gr.
Localities.—S.C.: *Orangeburg Co.*, Orangeburg district (type). ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Types.—Holotype, No. 3351; paratype, No. 3350 PRI

Trigonostoma babylonicum (I. Lea) **Cancellariidae**

Cancellaria babylonica I. Lea, 1833, p. 138, pl. 5, fig. 134; H. C. Lea, 1849, p. 97; Conrad, 1865a, p. 31; Conrad, 1866a, p. 12; Harris, 1895b, p. 6
Cancellaria (Trigonostoma) Babylonica I. Lea; de Gregorio, 1890, p. 46, pl. 3, fig. 11 copy I. Lea
Cancellaria (Trigonostoma) tera de Gregorio, 1890, p. 46, pl. 3, figs. 12, 13
Trigonostoma babylonicum (I. Lea), Cossmann, 1893, p. 41; Cossmann, 1899b, p. 25; Palmer, 1937, p. 437, pl. 73, figs. 22, 24-26; pl. 89, fig. 15 type; Brann and Kent, 1960, p. 873; Glibert, 1960a, p. 68

Range.—Middle Eocene. Cf. Stone City beds, middle Claiborne gr.; cf. Cook Mt. fm., upper Claiborne gr.; cf. McBean fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). Cf. TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. Cf. S.C.: *Orangeburg Co.*, about 3 mi. WNW. and about 6 mi. WNW. of Orangeburg. Cf. MISS.: *Newton Co.*, Hickory. Cf. LA.: *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R.
Types.—Holotype, No. 5719 ANSP. Holotype *Cancellaria (Trigonostoma) tera* de Gregorio formerly Univ. Palermo, Palermo, Sicily. Lost

Trigonostoma gemmatum (Conrad) **Cancellariidae**

Cancellaria gemmata Conrad, 1833b, p. 35 not illustrated (Harris reprint, 1893, p. 57); Conrad, App. *in* Morton, 1834, p. 5 in part; Conrad, 1835a, p. 44, pl. 16, fig. 10 (Harris reprint, 1893, p. 100, pl. 16, fig. 10); H. C. Lea, 1849, p. 97; d'Orbigny, 1850, p. 355 in part; Tuomey, 1858, pp. 264, 273; Crosse, 1861, p. 247; Conrad, 1866a, p. 13; Harris, 1895b, p. 20

Cancellaria multiplicata I. Lea, 1833, p. 139, pl. 5, fig. 135; H. C. Lea, 1849, p. 97; Conrad, 1866a, p. 13; de Gregorio, 1890, p. 49, pl. 3, fig. 31 copy I. Lea; Harris, 1895b, p. 29

Cancellaria plicata I. Lea, 1833, p. 139, pl. 5, fig. 136; H. C. Lea, 1849, p. 97; Conrad, 1866a, p. 13; de Gregorio, 1890, p. 50, pl. 3, fig. 32 copy I. Lea

Cancellaria costata I. Lea, 1833, p. 141, pl. 5, fig. 140; H. C. Lea, 1849, p. 97; Crosse, 1861, p. 256; Conrad, 1865a, p. 31; de Gregorio, 1890, p. 47, pl. 3, fig. 20 not fig. 30 as in text copy Lea; Harris, 1895b, p. 13

Cancellaria (Babylonella) gemmata Conrad, Conrad, 1865a, p. 32

Cancellaria (Babylonella) impressa Conrad, 1865a, p. 32; Conrad, 1865c, p. 145, pl. 11, fig. 16

Cancellaria (Babylonella) lirata Conrad, 1865a, p. 32

Cancellaria (Babylonella) multiplicata I. Lea, Conrad, 1865a, p. 32

Cancellaria (Babylonella) plicata I. Lea, Conrad, 1865a, p. 32

? *Cancellaria lirata* Conrad, Conrad, 1865c, p. 145, pl. 11, fig. 3; Conrad, 1866a, p. 13; Heilprin, 1891a, p. 397

Cancellaria impressa Conrad, Conrad, 1866a, p. 13

Cancellaria (Trigonostoma) gemmata Conrad, de Gregorio, 1890, p. 47, pl. 3, fig. 18 copy Conrad; Dall, 1890, p. 40

Cancellaria (Trigonostoma) impressa Conrad, de Gregorio, 1890, p. 47, pl. 3, fig. 16

Cancellaria (Trigonostoma) propegemmata de Gregorio, 1890, p. 46, pl. 3, figs. 14, 15

Trigonostoma gemmatum (Conrad), Cossmann, 1893, p. 41; Cossmann, 1899b, p. 25; Davies, 1935, p. 308; Palmer, 1937, p. 438, pl. 69, figs. 15, 16, 19, 20; fig. 24 Copy *C. lirata* Conrad; pl. 90, fig. 8 type *Cancellaria multiplicata* I. Lea, fig. 12 type *C. plicata* Lea, fig. 22 type *C. costata* Lea; Harris and Palmer, 1947, p. 411; Brann and Kent, 1960, p. 873; Glibert, 1960a, p. 68

Babylonella costata (I. Lea), Cossmann, 1893, p. 41

Trigonostoma impressum (Conrad), Cossmann, 1893, p. 41 includes *propegemmatum* de Gregorio; Cossmann, 1899b, p. 25, pl. 1, fig. 25

Trigonostoma propegemmata de Gregorio, Cossmann, 1899b, p. 25

Range.—Middle Eocene. Cf. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); cf. Lisbon Bluff, Alabama R. *(C. costata)*

Types.—Lectotype + 1 specimen, No. 14949 ANSP, Moore, 1962, p. 62. Lectotype *C. impressa* Conrad, No. 14950 ANSP [No. 14952 ANSP other specimen] Moore, 1962, p. 65. Holotype *C. costata* I. Lea, No. 5730 ANSP. Holotype *C. plicata* I. Lea, No. 5721 ANSP. Probable syntypes (2) *Cancellaria lirata* Conrad, No. 13235 ANSP, Moore, 1962, p. 72. Holotype *C. multiplicata* I. Lea, No. 5720 ANSP

Trigonostoma harrisi Palmer **Cancellariidae**

Trigonostoma harrisi Palmer, 1937, p. 444, pl. 70, figs. 3, 6; Brann and Kent, 1960, p. 873

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)

Type.—Holotype, No. 3308 PRI

Trigonostoma impressum (Conrad)
See *Trigonostoma gemmatum* (Conrad)

Trigonostoma marieanum (Aldrich) **Cancellariidae**

Cancellaria marieana Aldrich, 1897a, p. 13, pl. 1, fig. 6; Harris, 1899a, p. 28, pl. 3, fig. 9 copy Aldrich

Range.—Lower Eocene, Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Choctaw Corner (type); Woods Bluff, Tombigbee R.

Types.—Syntype, specimen figured, missing; Syntypes, No. 638987 USNM (2 specimens) from JHU labelled "Type"

Trigonostoma panones (Harris) **Cancellariidae**

Cancellaria panones Harris, 1895a, p. 65, pl. 6, fig. 1

Trigonostoma panones (Harris), Palmer, 1937, p. 442, pl. 69, fig. 6 holotype, figs. 10, 11; Brann and Kent, 1960, p. 874

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type); *Cherokee Co.*, 2 mi. E. of Alto

Type.—Holotype, No. 35610 BEG

Trigonostoma panones juniperum (Harris) **Cancellariidae**

Cancellaria panones var. *junipera* Harris, 1895a, p. 65, pl. 6, fig. 3

Trigonostoma panones juniperum (Harris), Palmer, 1937, p. 443, pl. 69, figs. 13, 18, 23 fig. 14 holotype; Brann and Kent, 1960, p. 874

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, bluff on Colorado R. just below the mouth of Alum Creek, not far from Smithville; *Robertson Co.*, Cedar Creek southeast corner of Wheelock League (type) *fide* Harris, 1893a LA.: *Ouachita Par.* Lapiniere Ldg., E. bank Ouachita R.; LA: exact data lost

Type.—Holotype, No. 35620 BEG

Trigonostoma panones smithvillense (Harris) **Cancellariidae**

Cancellaria panones var. *smithvillensis* Harris, 1895a, p. 65, pl. 6, fig. 2

Trigonostoma panones smithvillense (Harris), Palmer, 1937, p. 443, pl. 69, fig. 12 holotype, figs. 21, 22; Brann and Kent, 1960, p. 874

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type) *fide* Harris, 1893a; *Brazos Co.*, Little Brazos R. near iron bridge on Moseley's Ferry road; *Lee Co.*, Orell's crossing, Elm Creek. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg. LA.: *Ouachita Par.*, Lapiniere Ldg., Ouachita R.

Type.—Holotype, No. 35612 BEG

Trigonostoma penrosei (Harris) **Cancellariidae**

Cancellaria penrosei Harris, 1895a, p. 66, pl. 6, fig. 4

Admete (Bonellitia) Pemrosei [*sic*] (Harris), Cossmann, 1899b, p. 34 [error for *penrosei*]

Trigonostoma penrosei (Harris), Palmer, 1937, p. 444, pl. 69, fig. 17 holotype

Range.—Middle Eocene. Viesca mem., Weches fm. (type), middle Claiborne gr.; Stone City beds, middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type) *fide* Harris, 1893a; *Brazos Co.*, Dr. Williams' quarry, R. Stephenson's Headright; *Burleson Co.*, Moseley's Ferry [Stone City Bluff] Brazos R.

Type.—Holotype, No. 35615 BEG

Trigonostoma propegemmata (de Gregorio)
See *Trigonostoma gemmatum* (Conrad)

Trigonostoma pulcherrimum (H. C. Lea) **Cancellariidae**

Cancellaria pulcherrima H. C. Lea, 1841, p. 99, pl. 1, fig. 15; H. C. Lea, 1849, p. 97; de Gregorio, 1890, p. 47, pl. 3, fig 19 copy H. C. Lea; Harris, 1895b, p. 37

Cancellaria (Aneurystoma) dictyella Cossmann, 1899b, p. 24 *nomen nudum*

Trigonostoma pulcherrimum (H. C. Lea), Palmer, 1937, p. 440, pl. 70, figs. 2, 9 = *C. dictyella* Cossmann types; pl. 90, fig. 7 type H. C. Lea

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 13179 ANSP. "Syntypes" (2) *C. dictyella* Cossmann, No. 11908 Lab. Géol., Sorbonne, Paris

Trigonostoma pulcherrimum chavani Palmer **Cancellariidae**

Trigonostoma pulcherrimum chavani Palmer, 1937, p. 442, pl. 70, figs. 4, 10; Brann and Kent, 1960, p. 874

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg (type)

Types.—Syntypes, Nos. 3309, 3310 PRI

Trigonostoma sabinetownense Le Blanc **Cancellariidae**

Trigonostoma sabinetownensis Le Blanc, 1942⁺, p. 142, pl. 18, figs. 1, 2

Range.—Lower Eocene. Sabinetown fm. (type), upper Wilcox [Sabine] gr.; Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr. (Le Blanc)
Locality.—TEXAS: *Sabine Co.*, bluff ¼ mi. downstream from Sabinetown Ferry Ldg., Sabine R. (type)
Type.—Holotype, No. 6036 LSU Pal. Mus.

Trigonostoma selectum Palmer **Cancellariidae**

Trigonostoma selectum Palmer *in* Harris and Palmer, 1947, p. 411, pl. 63, figs. 20-22; Brann and Kent, 1960, p. 874

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—LA.: *Grant Par.*, Montgomery Ldg., Red R. (type)
Types.—Holotype, No. 20003; paratype, No. 20007 PRI

Trigonostoma tera de Gregorio
See *Trigonostoma babylonicum* (I. Lea)

Triphora distincta (Meyer) **Triphoridae**

Triforis distinctus Meyer, 1886b, p. 73, pl. 1, figs. 5, 5a; de Gregorio, 1890, p. 117, pl. 10, fig. 13 copy Meyer; Cossmann, 1893, p. 31
Triphora distincta (Meyer), Cossmann, 1906b, p. 170; Palmer, 1937, p. 228, pl. 30, figs. 2, 3 copies Meyer *distinctus*

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638828 USNM

Triphora major (Meyer) **Triphoridae**

Triforis major Meyer, 1886b, p. 72, pl. 1, fig. 6; de Gregorio, 1890, p. 116, pl. 10, fig. 14 var. *similis;* Dall, 1892, p. 266; Cossmann, 1893, p. 31 *Ogivia*
Triforis (Epetrium) major Meyer, Cossmann, 1906b, p. 168
Triphora major (Meyer), Palmer, 1937, p. 229, pl. 30, figs. 1, 4, 8, 9; Brann and Kent, 1960, p. 878

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd., (type), uppermost Claiborne gr.
Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). MISS.: *Clarke Co.*, Wautubbee; *Newton Co.*, Hickory
Type.—Holotype, No. 638826 USNM

Triphora similis (Meyer) **Triphoridae**

Triforis similis Meyer, 1886b, p. 71, pl. 1, figs. 8, 8a; de Gregorio, 1890, p. 116 in part, pl. 10, fig. 15; not fig. 16 = var. *meyeri* which see; Cossmann, 1893, p. 31 *Epetrium;* Dall, 1892, p. 266
Triphora similis (Meyer), Palmer, 1937, p. 229, pl. 30, figs. 10, 11; Brann and Kent, 1960, p. 879

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638825 USNM

Triphora similis meyeri de Gregorio **Triphoridae**

Triforis sp. Meyer, 1886b, p. 72, pl. 1, fig. 7

Triforis similis Meyeri de Gregorio, 1890, p. 116, pl. 10, fig. 15, copy Meyer, fig. 16

Triphora similis meyeri de Gregorio, Palmer, 1937, p. 229 in part, pl. 30, fig. 7 copy Meyer

Range.—Middle Eocene. Gosport sd (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Syntypes, No. 638827 USNM (Meyer, 1886b, pl. 1, fig. 7; de Gregorio, 1890, pl. 10, fig. 15); syntype (de Gregorio, pl. 10, fig. 16) former De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost.

Tripia anteatripla de Gregorio **Turridae**

Pleurotoma (Tripia) anteatripla de Gregorio, 1890, p. 38, pl. 2, figs. 43-45

Drillia anteatripla (de Gregorio), Cossmann, 1893, p. 46 (type designation for *Tripia* de Gregorio)

Drillia (Crassispira) anteatripla (de Gregorio), Cossmann, 1896b, pp. 85, 86 *(Tripia* type species)

Tripia anteatripla de Gregorio, Cossmann, 1903b, p. 188

"*Pleurotoma (Tripia) anteatripla*" de Gregorio, Harris, 1937, p. 19, pl. 3, figs. 10, 11 holotype, ? fig. 12

Crassispira (Tripia) anteatripla de Gregorio, Wenz, 1943, p. 1408, fig. 3977, copy De Gregorio

Range.—Middle Eocene. Presumably Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R. (type)

Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Tritiaria albirupina (Harris) **Buccinidae**

Phos albirupina Harris, 1894b, p. 166, pl. 6, fig. 5; Schuchert *et al*, 1905, p. 502

Tritiaria albirupina (Harris), Harris and Palmer, 1947, p. 349, pl. 45, fig. 3-5; Brann and Kent, 1960, p. 879 in part, Nos. 4662, 4663, and 4664 only. No. 4665 = *Tritiaria hilli* (Harris)

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.; Moodys Branch fm., lower Jackson gr.; Yazoo cl., upper Jackson gr.

Localities.—ARK.: *Jefferson Co.*, White Bluff (type), S. bank Arkansas R., *Cleveland Co.*, Vince Ferry, Saline R.; Rison. LA.: *Grant Par.*, Montgomery Ldg., Red R.; *Caldwell Par.*, Wyant [Myatt] Bluff, Ouachita R.; *Winn Par.*, Prairie Home (Tancock Prairie)

Types.—Syntypes, No. 135146 USNM

Tritiaria albirupina (Harris), Brann and Kent, 1960 in part, No. 4665 See *Tritiaria hilli* (Harris)

Tritiaria ? emoryi Gardner **Buccinidae**

Tritaria ? [*sic*] *emoryi* Gardner, 1935, p. 255, pl. 20, figs. 16, 17

Range.—Paleocene. Tehuacana mem. (type), Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Uvalde Co.*, USGS Sta. 6279, a few hundred yards S. of junction of Elm Cr. with Sabinal Cr., Schuddemagen ranch, 11 mi. S. of Sabinal (type)
Type.—Holotype, No. 370094 USNM

Tritiaria hilli (Harris) **Buccinidae**

Phos hilli Harris, 1894b, p. 167, pl. 6, fig. 6; Schuchert *et al*, 1905, p. 502
Phos (Tritiaria) hilli Harris, Stewart, 1927, p. 391
Tritiaria hilli (Harris), Woodring, 1928, p. 259; Harris and Palmer, 1947, p. 350, pl. 45, fig. 6
Tritiaria albirupina (Harris), Brann and Kent, 1960, p. 879 in part No. 4665 only called *albirupina* in error = *hilli*

Range.—Upper Eocene. Lower Jackson gr. (Ark.) (type); Moodys Branch fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.
Localities.—ARK.: *Cleveland Co.*, Vince Ferry, Saline R. (type); *Bradley Co.*, Hammaker's well, sec. 8, T. 12 S., R. 9 W. MISS.: *Hinds Co.*, Moodys Branch, Jackson. LA.: *Grant Par.*, ½ mi. below ferry Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; ½ mi. below Gibson Ldg., Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R.
Type.—Holotype, No. 135145 USNM

Tritiaria jacksonensis (Johnson) **Buccinidae**

Phos hilli jacksonensis Johnson, 1899, p. 76, pl. 1, fig. 11
Tritiaria jacksonensis (Johnson), Harris and Palmer, 1947, p. 351, pl. 45, fig. 15 copy Johnson

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 9614 ANSP

Tritiaria magnocostata (Johnson) **Buccinidae**

? *Phos* cf. *hilli* Harris, Vaughan, 1896, p. 50
Phos hilli magnocostatus Johnson, 1899, p. 75, pl. 1, fig. 10
Tritiaria magnocostata (Johnson), Harris and Palmer, 1947, p. 351, pl. 45, figs. 16 copy Johnson, 17; Brann and Kent, 1960, p. 880

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Localities.—LA.: *Grant Par.*, Montgomery Ldg., Red. R.; lower layer, Red. R.
Type.—Holotype, No. 9613 ANSP

Triton (Epidromus) autopsis Conrad
See *Eutritonium autopsis* (Conrad)

Triton Eocenense Whitfield
See *Latirus (Dolicholatirus) eocenensis* (Whitfield)

Triton (Ranularia) eocensis (Aldrich)
See *Perissolax eocensis* (Aldrich) [Lower Eocene]
See also *Perissolax* sp. [Paleocene]

Triton exilis (Conrad)
See *Nassarius exilis* (Conrad)

Triton (Murotriton) grassator de Gregorio
See *Murotriton grassator* de Gregorio

Triton (Ranellina) Maclurii (Conrad)
See *Ranellina maclurii* (Conrad)

Triton (Epidromus) optopsis Conrad
See *Eutritonium autopsis* (Conrad)

Triton pyramidatum H. C. Lea
See *Ranellina maclurii* (Conrad)

Triton (Personella) septemdentatus Gabb
See *Distorsio septemdentata* (Gabb)

Triton (Simpulum) showalteri Conrad
See *Ranella showalteri* (Conrad)

Triton sublevis Harris, 1899a, pl. 8, fig. 19 = *Trophon*
See *Odontopolys sublevis* (Harris)

Triton tuomeyi (Aldrich)
See *Ranella tuomeyi* Aldrich

Tritonoatractus pearlensis (Aldrich) **Fasciolariidae**

Fusus Boettgeri Meyer, 1885a, pp. 464, 468 *nomen nudum*. Name not found to be preoccupied as in Aldrich, 1886

Fusus pearlensis Aldrich, 1885a, p. 152, pl. 3, figs. 17a, 17b; Aldrich, 1886, p. 21, pl. 1, figs. 17a, 17b copy Aldrich, 1885a; Dall, 1890, p. 147

Ptychatractus (Tritonoatractus) pearlensis (Aldrich), Cossmann, 1901b, pl. 4, figs. 16, 17; Wenz, 1943, p. 1308, fig. 3727 copy Cossmann, 1901b

Tritonoatractus pearlensis (Aldrich), Harris and Palmer, 1947, p. 378, pl. 5, figs. 8, 9; Brann and Kent, 1960, p. 882

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr., Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Hinds Co.*, Jackson, Moodys Branch (type); Town Cr.; *Clarke Co.*, Garland Cr. near Shubuta; about 4 mi. NE. of Shubuta. LA.: *Grant Par.*, Montgomery Ldg., Red R., lower layer; *Caldwell Par.*, Bunker Hill bluff, Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R.

Types.—Holotype, No. 638719 USNM. Type *Fusus Boettgeri* Meyer. Lost

Tritonoatractus pearlensis danvillensis Palmer **Fasciolariidae**

Tritonoatractus pearlensis danvillensis Palmer *in* Harris and Palmer, 1947, p. 380, pl. 51, figs. 1-3; Brann and Kent, 1960, p. 882

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.

Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)

Types.—Holotype, No. 4727; paratypes, Nos. 4726, 4728 PRI

Tritonoatractus pearlensis montgomeriensis (Vaughan) **Fasciolariidae**

Fusus mortoni I. Lea var. near *carexus* Harris 1897a, p. 472, pl. 18, fig. 12. Not *Fusus mortoni carexus* Harris 1895a, p. 72, pl. 7, fig. 5

Fusus montgomeriensis Vaughan 1896, p. 35, pl. 3, fig. 2; Schuchert, *et al.*, 1905, p. 280

Tritonoatractus pearlensis montgomeriensis (Vaughan), Harris and Palmer, 1947, p. 379, pl. 51, figs. 4-7; Brann and Kent, 1960, p. 882

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—LA.: *Grant Par.*, Montgomery Ldg. Red R. (type), upper bed, lower bed and ½ mi. below ferry; *Caldwell Par.*, ½ mi. below Gibson Ldg., Ouachita R.; *Catahoula Par.*, Danville Ldg., Ouachita R. MISS.: *Hinds Co.*, Town Cr., Jackson. ARK.: *St. Francis Co.*, Crow Cr. at bridge

Type.—Holotype, No. 147035 USNM

Tritonidea johnsoni (Aldrich)
See *Cantharus (—) johnsoni* (Aldrich)

Tritonidea pachecoi Harris
See cf. *Cominella pachecoi* (Harris)

Tritonidea trimorfopse (de Gregorio)
See *Buccitriton sagenum* (Conrad)

Tritonium (Colubraria) cedri Gardner
See *Colubraria cedri* Gardner

Tritonium (Colubraria) exile (Conrad)
See *Nassarius exilis* (Conrad)

Tritonium (Colubraria) otopsis (Conrad)
See *Eutritonium autopsis* (Conrad)

Tritonium (Lampusia) Showalteri (Conrad)
See *Ranella showalteri* (Conrad)

Tritonium showalteri (Conrad), Clark and Martin, 1901. Not Conrad, 1860
See *Ranella* sp.

Triumphis hatchetigbeensis (Aldrich)
See *Cornulina hatchetigbeensis* (Aldrich)

Trochatella aperta (Solander)
See *Calyptraea aperta* (Solander *in* Brander)

Trochita alta Conrad *in* Wailes, 1854
See *Calyptraea alta* (Conrad)

Trochita trochiformis (I. Lea)
See *Calyptraea aperta* (Solander *in* Brander)

Trochus alabamiensis Aldrich
See *Solariella alabamiensis* (Aldrich)

Trochus apertus Solander *in* Brander
See *Calyptraea aperta* (Solander *in* Brander)

"Trochus" gumus de Gregorio **Trochidae**

Trochus (Oxystele) gumus de Gregorio, 1890, p. 144, pl. 13, figs. 34-36; Palmer, 1937, p. 44, pl. 5, figs. 8, 12, 13

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Trochus nixus Tuomey
See *Pleurotomaria nixa* (Tuomey)

Trochus operculus Solander *in* Brander
See *Calyptraea aperta* (Solander *in* Brander)

Trochus planulatus H. C. Lea
See *Solariorbis ? planulatus* (H. C. Lea)

Trophon caudatoides Aldrich
See *Murex caudatoides* (Aldrich)

Trophon elegantissimus (Aldrich)
See *Cantharus (Endopachychilus) elegantissimus* (Aldrich)

Trophon gracilis Aldrich
See *Penion gracilis* (Aldrich)

Trophon morulus Conrad
See *Eupleura morula* (Conrad)

Trophon sublevis Harris
See *Odontopolys sublevis* (Harris)
See also *Odontopolys* sp.

Tropisurcula crenula Casey **Turridae**

Tropisurcula crenula Casey, 1904, p. 153; Harris, 1937, p. 57, pl. 10, fig. 27 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Winn Par.*, St. Maurice (type)
Type.—Holotype, No. 494365 USNM

Tropisurcula crenula sabines Harris **Turridae**

Tropisurcula crenula sabines Harris, 1937, p. 58, pl. 10, fig. 28; Brann and Kent, 1960, p. 885

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Locality.—LA.: *Sabine Par.*, Sabine R., near Columbus (type) (exact outcrop not designated see Veatch Survey, 1902, pp. 129, 130)
Type.—Holotype, No. 2539 PRI

Truncaria spirata (Meyer)
See *Litiopa spirata* (Meyer)

Trypanotoma carlottae (Harris) **Turridae**

Pleurotoma carlottae Harris, 1899a, p. 23, pl. 3, fig. 1; Casey, 1904, p. 158; Brann and Kent, 1960, p. 716

Trypanotoma carlottae (Harris), Harris, 1937, p. 21, pl. 3, fig. 14 [not 14a as in text]; Brann and Kent, 1960, p. 885

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type—Holotype, No 321 PRI

Trypanotoma longispira Casey **Turridae**

Trypanotoma longispira Casey, 1904, p. 142; Harris, 1937, p. 22, pl. 3, figs. 23 holotype, 24; not fig. 33 [as *Trypanotoma* sp. on pl.]; Brann and Kent, 1960, p. 885

Not *Trypanotoma* sp., Brann and Kent, 1960, p. 885 [No. 2413]

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Locality.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type)

Type.—Holotype, No. 494358 USNM

Trypanotoma melanella Harris **Turridae**

Trypanotoma melanella Harris, 1937, p. 22, pl. 3, figs. 21, 22; Brann and Kent, 1960, p. 885

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne sd.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 2406b; paratype, No. 2406a PRI

Trypanotoma obtusa Casey **Turridae**

Trypanotoma obtusa Casey, 1904, p. 142; Harris, 1937, p. 21, pl. 3, fig. 20 holotype

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Winn Par.*, St. Maurice (type)

Type.—Holotype, No. 494357 USNM

Trypanotoma terebriformis (Meyer) **Turridae**

Pleurotoma terebriformis Meyer, 1886b, p. 75 in part, pl. 2, fig. 8; de Gregorio, 1890, p. 43, pl. 3, fig. 5 copy Meyer

Surcula nodo-carinata (Gabb), Heilprin, 1891a, p. 394 in part

Trypanotoma terebriformis (Meyer), Cossmann, 1893, p. 46, pl. 2, fig. 18; Casey, 1904, p. 142; Harris, 1937, p. 21, pl. 3, fig. 15 holotype, figs. 15a, 16; Gardner, 1945, p. 243; Harris and Palmer, 1947, p. 422; Brann and Kent, 1960, pp. 885, 886

Asthenotoma (Trypanotoma) terebriformis (Meyer), Cossmann, 1896b, p. 109, text fig. 24; not pl. 6, figs. 27, 28 = *T. terebriformis curta* Harris

Range.—Middle Eocene. ? Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). ? TEXAS: *Robertson Co.*, Wheelock. Not MISS.: *Newton Co.*, Newton see *T. terbriformis curta* Harris

Type.—Holotype, No. 638832 USNM

Trypanotoma terebriformis curta Harris **Turridae**

Trypanotoma terebriformis var. *curta* Harris, 1937, pl. 21, pl. 3, figs. 17, 18 *tereberiformis* [*sic*]; Harris and Palmer, 1947, p. 422 in part, pl. 58, fig. 3; Brann and Kent, 1960, p. 886

Asthenotoma (Trypanotoma) terebriformis (Meyer), Cossmann, 1896b, p. 109 in part, pl. 6, figs. 27, 28

Range.—Middle Eocene. Cook Mt. fm (type), upper Claiborne gr. ? Upper Eocene. Danville Ldg. beds, uppermost Jackson gr.

Localities.—MISS.: *Newton Co.*, Hickory (type); Newton. ? LA.: *Catahoula Par.*, Danville Ldg., Ouachita R.

Types.—Holotype, No. 2404; paratype, No. 2403 PRI

Trypanotoma terebriformis cooperi Harris **Turridae**

Trypanotoma terebriformis cooperi Harris, 1937, p. 21, pl. 3, fig. 19; Brann and Kent, 1960, p. 886

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Locality.—LA.: *Winn Par.*, Cooper's test well, Winnfield (type)

Type.—Holotype, No. 2405 PRI

Trypanotoma sp. **Turridae**

Trypanotoma sp. Harris, 1937, p. 21, pl. 3, fig. 14a; Brann and Kent, 1960, p. 885 [no No.]

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen not in PRI

Trypanotoma sp. **Turridae**

Trypanotoma sp. Harris, 1937, p. 22 under *T. longispira* Casey, pl. 3, fig. 33; Brann and Kent, 1960, p. 885

Range.—Middle Eocene. Middle or upper Claiborne gr.

Locality.—TEXAS: *Sabine Co.*, Sabine R. opposite sec. 35 [not 33 as in text], Sabine Par., La. (see Veatch Survey, 1902, pp. 129, 130)

Type.—Figured specimen, No. 2413 PRI

Trypanotopsis texana (Gabb) **Turridae**

Turris texana Gabb, 1860d, p. 379, pl. 67, fig. 9 (not fig. 11 as printed)

Surcula texana (Gabb), Conrad, 1865a, p. 19; Conrad, 1866a, p. 18 not Conrad = Gabb; Heilprin, 1891a, p. 394

Asthenotoma texana (Gabb), Casey, 1903, p. 276; Casey, 1904, p. 149; Harris, 1937, p. 86, pl. 14, figs. 8, 9; Harris and Palmer, 1947, p. 440, pl. 61, fig. 10; Brann and Kent, 1960, pp. 96, 97

Trypanotopsis texana (Gabb), Gardner, 1945, p. 244, pl. 27, fig. 15

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—TEXAS: "Wheelock" (Gabb, type); *Robertson Co.*, Town Branch of Cedar Creek near Wheelock (see Stenzel, Krause, and Twining, 1957, p. 11); *Houston Co.*, Alabama Bluff, Trinity R.; Hurricane Bayou; *Brazos Co.*, Colliers Farm, Town Branch; Little Brazos R., 2½ mi. above Stone City

Type.—Holotype, No. 13289 ANSP *fide* Gardner, 1945

Tuba alternata I. Lea
See *Gegania antiquata* (Conrad)

Tuba antiquata (Conrad)
See *Gegania antiquata* (Conrad)

Tuba antiquata (Conrad), Aldrich, 1897a; Harris, 1899a. Not Conrad, 1833b
See *Gegania* sp.

Tuba antiquata (Conrad), de Gregorio in part
See *Gegania antiquata* (Conrad)
See also *Gegania antiquata striata* (I. Lea)
See also *Ranellina maclurii* (Conrad)

Tuba (Littorina) antiquata Conrad, Heilprin, 1891a. Not Conrad, 1833b
See *Gegania antiquata texana* (Palmer)

Tuba antiquata var. *antiqua* Kennedy, 1895, p. 128 is a *nomem nudum*

Tuba antiquata striata I. Lea
See *Gegania antiquata striata* (I. Lea)

Tuba antiquata texana Palmer
See *Gegania antiquata texana* (Palmer)

Tuba cancellata (H. C. Lea)
See *Acrocoelum cancellatum* (H. C. Lea)

Tuba (Mathilda) claibornensis Aldrich
See *Mathilda claibornensis* Aldrich

Tuba (Mathilda) leana Aldrich
See *Mathilda leana* Aldrich

Tuba marylandica Clark and Martin
See *Gegania marylandica* (Clark and Martin)

Tuba striata I. Lea
See *Gegania antiquata striata* (I. Lea)

Tuba sulcata I. Lea. Not *Tuba sulcata* (Pilkington), 1804, Bartonian Eocene of England
See *Ranellina maclurii* (Conrad)

Tubiola nautiloides (Aldrich) **Vitrinellidae**

Adeorbis ? nautiloides Aldrich, 1910b, p. 73, pl. 4, figs. 3-5
Tubiola nautiloides (Aldrich), Palmer, 1937, p. 45, pl. 5, figs. 4, 9, 10 copies Aldrich

Range.—Middle Eocene. Cook Mt. fm. (type) upper Claiborne gr.
Localities.—MISS.: *Clarke Co.*, De Soto; *Newton Co.*, Hickory
Type.—Specimen labeled "type", No. 639105 USNM is not specimen figured

Tubulostium tobar Gardner, 1935, p. 281 is an annelid, not included in this catalogue.
See Gardner, 1939a, p. 17

Tudicla dumosa (Conrad)
See *Papillina dumosa* (Conrad)

Tudicla marylandica Clark and Martin
See *Sceptrum marylandicum* (Clark and Martin)

Tudicla papillata (Conrad)
See *Papillina papillata* (Conrad)

Tudicla (Sceptrum) perula (Aldrich), Wenz, 1943
See *Sceptrum perulum* (Aldrich)
See also *Sceptrum* sp.

Cf. **Tudicla** sp. **Vasidae**
Cf. *Pyropsis* sp. Harris and Palmer, 1947, p. 353, pl. 51, figs. 12, 13; Brann and Kent, 1960, p. 762

Range.—Upper Eocene. Moodys Branch fm., lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson
Type.—Figured specimen, No. 4720 PRI

Cf. **Tudicla** sp. **Vasidae**
Pyropsis sp. Clark, 1895, p. 4; Clark, 1896, p. 67, pl. 11, figs. 2a, 2b
? *Pyropsis perula* Aldrich, Harris, 1899a, p. 46 in part, Maryland sp.
Tudicla sp. Clark and Martin, 1901, p. 138, pl. 23, figs. 2, 2a copy Clark, 1896

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Charles Co.*, Clifton Beach; *Prince Georges Co.*, Fort Washington (Harris); *Anne Arundel Co.*, Crownsville. VA.: *Stafford Co.*, Aquia Creek
Type.—Figured specimen, USNM

Tudicla (?) spp. Clark and Martin, 1901, p. 138
See *Levifusus* sp.
See also cf. *Levifusus* sp.

Tudicula see *Tudicla*

Tugurium grayi Palmer **Xenophoridae**
Tugurium grayi Palmer *in* Richards and Palmer, 1953, p. 23, pl. 2, fig. 7

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Locality.—FLA.: *Citrus Co.*, from pit of Dunnellon Phosphate Mining Co., sec. 10, T. 18 S., R. 19 E. (type)
Type.—Holotype, No. I-7428 Fla. Geol. Sur.

Turbella see *Turboella*

Turbinella baculus Aldrich
See *Glyptostyla bacula* (Aldrich)

Turbinella (Caricella) Baudoni Deshayes, Aldrich, 1886. Not Deshayes, 1865b
See *Caricella heilprini* Dall

Turbinella bolaris (Conrad)
See *Caricella bolaris* (Conrad)

Turbinella fusoides H. C. Lea
See *Latirus plicatus* (I. Lea)

Turbinella humilior Meyer
See *Latirus humilior* (Meyer)

Turbinella (Psilocochlis) Mccalliei Dall
See *Psilocochlis mccalliei* Dall

Turbinella praetenuis Conrad
See *Caricella praetenuis* (Conrad)

Turbinella prisca Conrad
See *Caricella doliata* (Conrad)

Turbinella pyruloides Conrad
See *Caricella pyruloides* (Conrad)

Turbinella secale (I. Lea)
See "*Bayania*" *secale* I. Lea

Turbo (Tuba) antiquata (Conrad), de Gregorio, 1890
See *Gegania antiquata* (Conrad)
See also *Gegania antiquata striata* (I. Lea)
See also *Ranellina maclurii* (Conrad)

"Turbo" biliratus Conrad **Turbinidae**
Turbo biliratus Conrad, 1848a, p. 298; Conrad, 1848b, p. 129

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Calhoun Co.*, "St. Matthew's Parish, Orangeburg District" (type)
Type.—Missing ANSP, Moore, 1962, p. 42

Turbo lineata I. Lea
See *Cirsochilus (Clairbornia) lineatus* (I. Lea)

Turbo naticoides I. Lea
See *Tiburnus eboreus* (Conrad)

Turbo nitens I. Lea
See *Norrisia (Norrisella) nitens* (I. Lea)

Turbo parvus H. C. Lea
See cf. *Norrisia (Norrisella) parva* (H. C. Lea)

Turbo (Tiburnus) planulatus (H. C. Lea)
See *Solariorbis* ? *planulatus* (H. C. Lea)

"Turbo" zecus de Gregorio **Turbinidae**
Turbo zecus de Gregorio, 1890, p. 142, pl. 13, fig. 20
"*Turbo zecus*" de Gregorio, Palmer, 1937, p. 60, pl. 5, fig. 2 copy de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

"Turbo" sp. **Turbinidae ?**

Turbo sp. de Gregorio, 1890, p. 144, pl. 13, fig. 27; Palmer, 1937, p. 60, pl. 5, fig. 1 copy de Gregorio

Range.—Middle Eocene. Presumably Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R. (type)
Type.—Figured specimen formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Turboella ziga (de Gregorio) **Rissoidae**

Rissoa (Alvania) ziga de Gregorio, 1890, p. 133, pl. 12, figs. 7, 8,
Rissoia [*sic*] *ziga* de Gregorio, Cossmann, 1893, p. 27
Turbella ziga [*sic*] (de Gregorio), Cossmann, 1921b, p. 10
Turboella ziga (de Gregorio), Palmer, 1937, p. 153, pl. 17, figs. 5, 6 copies de Gregorio

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Turbonilla (Pyrgiscus) agrestis Aldrich **Pyramidellidae**

Turbonilla (Pyrgiscus) agrestis Aldrich, 1911, p. 10, pl. 4, fig. 2

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Washington Co.*, Hatchetigbee Bluff, Tombigbee R. (type)
Type.—Holotype, No. 639129 USNM

Turbonilla (Cingulina) anita Aldrich
See *Pyramidella anita* (Aldrich)

Turbonilla bidentata (Meyer) **Pyramidellidae**

Odostomia bidentata Meyer, 1886b, p. 70, pl. 1, fig. 3; de Gregorio, 1890, p. 158, pl. 15, fig. 28 copy Meyer
Turbonilla (Pyrolamprus) bidentata (Meyer), Cossmann, 1893, p. 24; Cossmann, 1921b, p. 288
Turbonilla bidentata (Meyer), Palmer, 1937, p. 80, pl. 8, fig. 3 copy Meyer; ? Gardner, 1945, p. 146, pl. 27, fig. 16 Mexico

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 638823 USNM

Turbonilla ? claibornensis (Heilprin)
See *Bayania claibornensis* (Heilprin)

Turbonilla (Ptycheulimella) clinensis Aldrich **Pyramidellidae**

Turbonilla (Ptycheulimella) clinensis Aldrich, 1921, p. 9, pl. 1, fig. 10
Turbonilla (Mormula) clinensis Aldrich, Gardner, 1935, p. 310

Range.—Paleocene. Wills Point fm., upper Midway gr. (Gardner). Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type). TEXAS: *Williamson Co.*, Dry Brushy Creek, 6 mi. S. of Thrall (Gardner)
Type.—Holotype, No. 49 GSATC

Turbonilla elegans (H. C. Lea), Dall, 1892
See *Bittium (Stylidium) elegans* (H. C. Lea)

Turbonilla (Strioturbonilla) harrisi Aldrich **Pyramidellidae**

Turbonilla (Strioturbonilla) harrisi Aldrich, 1907, p. 9, pl. 1, fig. 8. Considered might be *Turbonilla* sp. Harris, 1899a which see

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 639039 USNM

Turbonilla ? lugubris (I. Lea), Dall, 1892
See *Balcis notata* (I. Lea)

Turbonilla (Strioturbonilla) major Meyer **Pyramidellidae**

Turbonilla major Meyer, 1887b, p. 51, pl. 3, fig. 3
Turbonilla (Strioturbonilla) major Meyer, Harris and Palmer, 1947, p. 229, pl. 28, figs. 6, 11 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 638895 USNM

Turbonilla Missipiensis [*sic*] var. *pellegrina* de Gregorio
See *Turbonilla pellegrina* de Gregorio

Turbonilla (Mormula) mitchelliana Aldrich
See *Pyramidella (Syrnola) mitchelliana* (Aldrich)

Turbonilla neglecta Meyer **Pyramidellidae**

Turbonilla neglecta Meyer, 1886b, p. 69, pl. 1, figs. 4, 4a; de Gregorio, 1890, p. 159, pl. 15, figs. 31, 32 copies Meyer; Cossmann, 1893, p. 24; Cossmann, 1921b, p. 279; Palmer, 1937, p. 81, pl. 8, figs. 4, 11 copies Meyer

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Types.—Syntypes, Nos. 638821, 638822 USNM

Turbonilla pellegrina de Gregorio **Pyramidellidae**

Turbonilla Missipiensis [*sic*] var. *pellegrina* de Gregorio, 1890, p. 159, pl. 15, fig. 33

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Turbonilla potomacensis Clark and Martin **Pyramidellidae**

Turbonilla potomacensis Clark and Martin, 1901, p. 155, pl. 29, fig. 1

Range.—Paleocene. Aquia fm. (type)
Localities.—VA.: *King George Co.*, 2 mi. below Potomac Creek (type); Potomac Creek
Type.—Holotype, USNM

Turbonilla (Ptycheulimella) sabina Palmer **Pyramidellidae**

Eulimella tenua (Gabb), Harris, 1899a, p. 97 in part, pl. 12, fig. 16; Brann and Kent, 1960, p. 381. Not *Eulima tenua* Gabb, 1860d
Turbonilla (Ptycheulimella) sabina Palmer, 1937, p. 81, pl. 8, fig. 7; Brann and Kent, 1960, p. 888

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)
Type.—Holotype, No. 1386 PRI

Turbonilla secale (I. Lea)
See "*Bayania*" *secale* (I. Lea)

Turbonilla (Ptycheulimella) tardiusculus Aldrich **Pyramidellidae**

Turbonilla (Ptycheulimella) tardiusculus Aldrich, 1921, p. 9, pl. 1, fig. 12

Range.—Lower Eocene. Hatchetigbee fm. (type), upper Wilcox [Sabine] gr.
Locality.—ALA.: *Clarke Co.*, Cave Branch, Bashi Cr. (type)
Type.—Holotype, No. 51 GSATC

Turbonilla (Chemnitzia) trigemmata Conrad
See *Elimia trigemmata* (Conrad)

Turbonilla (Cingulina) tuscahomensis Aldrich **Pyramidellidae**

Turbonilla (Cingulina) tuscahomensis Aldrich, 1921, p. 9, pl. 1, fig. 11

Range.—Lower Eocene. Greggs Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. (type); Bells Ldg., Alabama R.
Type.—Holotype, No. 50 GSATC

Turbonilla sp. **Pyramidellidae**

Turbonilla sp. Harris, 1899a, p. 96, pl. 12, fig. 10; Brann and Kent, 1960, p. 888

Range.—Lower Eocene. Bells Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.
Locality.—ALA.: *Monroe Co.*, Bells Ldg., Alabama R.
Type.—Figured specimen, No. 1381 PRI

Turbonilla sp. **Pyramidellidae**

Scalaria elegans H. C. Lea, 1841, p. 95, pl. 1, fig. 6; H. C. Lea, 1849, p. 105; de Gregorio, 1890, p. 129 in part, pl. 11, fig. 39 copy H. C. Lea; Palmer, 1937, p. 106, pl. 79, fig. 5 type *S. elegans* H. C. Lea. Not *S. elegans* Risso, 1826 or d'Orbigny, 1840a

Turbonilla young Harris, 1895b, p. 18. Not *T. elegans* S. V. Wood, 1842. Not *Rudiscala sessilis* (Conrad), 1833c in part, p. 45 as in Palmer, 1937, p. 106

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R.
Type.—Figured specimen, No. 13177 ANSP (type of *Scalaria elegans* H. C. Lea)

Turricula aldreperta Harris **Turridae**

Turricula aldreperta Harris, 1937, p. 49, pl. 9, figs. 32, 33; Brann and Kent, 1960, p. 889

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)
Type.—Holotype, No. 2524 PRI

Turricula (Leptosurcula) beadata (Harris)
See *Leptosurcula beadata* (Harris)

Turricula (Eosurcula) beaumonti (I. Lea)
See *Eosurcula beaumonti* (I. Lea)

Turricula cincta Meyer
See *Uromitra gracilis* (H. C. Lea)

Turricula (Pleurofusia) collaris (Casey)
See *Pleurofusia collaris* (Casey)

Turricula (Pleurofusia) danvicola Harris
See *Pleurofusia danvicola* Harris

Turricula (Pleurofusia) danvicola Harris "var."
See *Pleurofusia danvicola* Harris "var."

Turricula (Pleurofusia) danvicola parahilgardia Harris
See *Pleurofusia danvicola parahilgardia* Harris

Turricula dubia (I. Lea)
See *Lapparia pactilis* (Conrad)

Turricula (Surculoma) dumblei (Harris)
See *Surculoma dumblei* (Harris)

Turricula (Lapparia) dumosa Conrad
See *Lapparia dumosa* (Conrad)

Turricula (Surculoma ?) floweri Harris **Turridae**

Turricula (Surculoma ?) floweri Harris, 1937, p. 58, pl. 10, fig. 29; Brann and Kent, 1960, p. 830 [under *Surculoma* ?]

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Bastrop Co.*, Smithville, Colorado R. (type)
Type.—Holotype, No. 2540 PRI

Turricula fluctuosa Harris
See *Pleurofusia fluctuosa* (Harris)

Turricula (Protosurcula emen'd.) *gabbi* (Conrad)
See *Protosurcula gabbi* (Conrad)

Turricula Hatchetigbeensis (Aldrich)
See *Mesorhytis* ? *hatchetigbeensis* (Aldrich)

Turricula (Pleurofusia) hilgardi (Casey)
See *Pleurofusia hilgardi* (Casey)

Turricula (Pleurofusia?) huppertzi (Harris)
See *Pleurofusia* ? *huppertzi* (Harris)

Turricula (Pleurofusia ?) *huppertzi* (Harris) varying towards *penrosei*
See *Pleurofusia* ? *huppertzi* (Harris) "var."

Turricula (Pleurofusia ?) *huppertzi hammettensis* Harris
See *Pleurofusia* ? *huppertzi hammettensis* Harris

Turricula (Surculoma ?) *kellogi* (Gabb)
See *Surculoma* ? *(Volutapex* ?) *kellogii* (Gabb)
See also *Surculoma* ? *(Volutapex* ?) *kellogii* (Gabb) "var."

Turricula langdoni (Aldrich)
See *Orthosurcula langdoni* (Aldrich)

Turricula (Surculoma) leoncola (Harris)
See *Surculoma leoncola* (Harris)

Turricula (Eosurcula) lesueuri (I. Lea)
See *Eosurcula lesueuri* (I. Lea)

Turricula (Fusimitra) lineata (I. Lea)
See *Uromitra* ? *terplicata* (de Gregorio)

Turricula (Pleurofusia) longirostropis (de Gregorio)
See *Pleurofusia longirostropis* (de Gregorio)

Turricula (Fusimitra) marylandica (Clark)
See *Fusimitra marylandica* (Clark)

Turricula (Eosurcula) moorei (Gabb)
See *Eosurcula moorei* (Gabb)

Turricula nasuta (Whitfiled)
See *"Pleurotoma" nasuta* Whitfield

Turricula ("Surculoma") penrosei (Harris)
See *Surculoma penrosei* (Harris)

Turricula ("Surculoma") penrosei tabulella Harris
See *Surculoma penrosei tabulella* Harris

Turricula (Plentaria) plenta (Aldrich and Harris) **Turridae**

Pleurotoma (Borsonia) plenta Aldrich and Harris *in* Harris, 1895a, p. 63 in part, pl. 5, fig. 11 only; fig. 11a = var. *horrida* Harris

Borsonia plenta (Aldrich and Harris), Aldrich, 1895b, p. 8, pl. 1, fig. 12; Gardner, 1945, p. 234, pl. 25, figs. 3, 5 paratype

Protosurcula plenta (Aldrich and Harris), Casey, 1903, p. 275; Casey, 1904, p. 145

Turricula (Plentaria) plenta (Aldrich and Harris), Harris, 1937, p. 60, pl. 11, fig. 2 holotype, figs. 3, 3a; Brann and Kent, 1960, p. 892; Glibert, 1960b, p. 28

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type); *Robertson Co.*, Wheelock; Cedar Creek, Wheelock League; *Bastrop Co.*, Smithville; *Brazos Co.*, College Station *fide* Harris
Types.—Holotype, No. 35592 BEG; paratype, not in USNM, 1964

Turricula (Plentaria) plenta horrida Harris **Turridae**

Pleurotoma (Borsonia) plenta Aldrich and Harris *in* Harris, 1895a, p. 63 in part, pl. 5, fig. 11a only
Turricula (Plentaria) plenta horrida Harris, 1937, p. 60, pl. 11, figs. 4, 4a; Brann and Kent, 1960, p. 893

Range.—Middle Eocene. Stone City beds, middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr. (type)
Localities.—LA.: *Sabine Par.*, near Columbus (type). TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff] Brazos R.
Types.—Holotype, No. 2545 PRI; paratype, No. 35594 BEG

Turricula plutonica weisbordi Harris **Turridae**

Turricula plutonica weisbordi Harris, 1937, p. 58, pl. 10, fig. 30 in subg. *Pleurofusia;* Harris and Palmer, 1947, p. 431, pl. 59, figs. 16-18; Brann and Kent, 1960, p. 893

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.
Locality.—LA.: *Catahoula Par.*, Danville Ldg., Ouachita R. (type)
Type.—Holotype, No. 2541 PRI

Turricula polita (Gabb)
See *Fusimitra polita* (Gabb)

Turricula prosseri (Harris)
See *Pleurofusia prosseri* (Harris)

Turricula (Surculoma) stantoni (Vaughan)
See *Surculoma stantoni* (Vaughan)

Turricula (Surculoma) subequalis (Conrad)
See *Surculoma (Volutapex) subequalis* (Conrad)

Turricula (Surculoma) subequalis (Conrad) "var."
See *Surculoma (Volutapex) subequalis* (Conrad) "var."

Turricula (Pleurofusia) subservata Harris
See *Pleurofusia subservata* Harris

Turricula (Surculoma) tabulata (Conrad)
See *Surculoma tabulata* (Conrad)

Turricula (Surculoma) tabulata rignana (de Gregorio)
See *Surculoma tabulata rignana* (de Gregorio)

Turricula (Conomitra) texana Harris
See *Conomitra texana* Harris

Turris bimoniatus Aldrich
See *Eopleurotoma bimoniata* (Aldrich)

Turris cristata Gabb
See *Cochlespira engonata* Conrad

Turris Kellogii Gabb
See *Surculoma* ? *(Volutapex* ?) *kellogii* (Gabb)

Turris kerenensis Claypool *nomen nudum*
See "*Turris*" *rockscreekensis* Le Blanc

Turris moorei (Gabb)
See *Eosurcula moorei* (Gabb)

Turris nodocarinata Gabb
See *Hesperiturris nodocarinatus* (Gabb)

Turris (Pleurotoma) nodoideus Aldrich
See cf. *Coronia nodoidea* (Aldrich)

Turris retifera Gabb
See *Awateria retifera* (Gabb)

"Turris" rockscreekensis Le Blanc **Turridae**

"*Turris kerenensis* Claypool" ms. name, LeBlanc, 1942+, p. 143, pl. 18, fig. 7
Turris rockscreekensis LeBlanc, 1942+, p. 142, pl. 18, figs. 3-6

Range.—Paleocene. "Logansport fm.", (name preoccupied) (type), middle Midway gr.; Kerens mem., Wills Point fm., upper Midway gr.
Localities.—LA.: *Natchitoches Par.*, road cut in NE. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W. along dirt road leading W. from La. Highway No. 404, just E. of bridge over Rocks Creek (type). TEXAS: *Navarro Co.*, Trinity R., 5.5 mi. NE. of Kerens
Types.—Holotype, No. 3143; paratype Nos. 3147, 3148 LSU Pal. Mus.

Turris specus Aldrich
See *Raphitoma specus* (Aldrich)

Turris texana Gabb
See *Trypanotopsis texana* (Gabb)

"Turris" sp. **Turridae**

Pleurotoma terebralis Lamarck "var.", Harris, 1899a, p. 19, pl. 2, fig. 11; LeBlanc, 1942+, p. 153, pl. 19, fig. 9

Range.—Lower Eocene. Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.
Localities.—ALA.: *Monroe Co.*, Greggs Ldg., Alabama R. LA.: *Sabine Par.*, La Nana Bayou
Types.—Figured specimen, No. 241 PRI (Harris); No. 6063 LSU Pal. Mus. (LeBlanc)

Turrispira protextus (Conrad)
See *Clavilithes protextus* (Conrad)

Turrispira salebrosus Conrad
See *Clavilithes protextus* (Conrad)

Turritella cf. T. *abrupta* [*sic*] Conrad, F. B. Plummer. Not *Turritella obruta* Conrad, 1833c
See *Turritella polysticha* Stenzel and Turner

Turritella alabamiensis Whitfield **Turritellidae**

Turritella alabamiensis Whitfield, 1865, p. 267; de Gregorio, 1890, p. 128; Aldrich, 1894b, pp. 239, 246, pl. 13, fig. 2; not Cossmann, 1893, p. 29 under *tiga;* ? Harris, 1894b, pp. 30, 48; Harris, 1896, p. 109, pl. 11, fig. 6; Whitfield, 1899, p. 177; F. B. Plummer 1933, p. 815, pl. 10, fig. 5; ? Gardner, 1935, p. 284 in part; Bowles, 1939, p. 299, pl. 32, fig. 21 syntype; Stenzel and Turner, [1942], Gastropoda 13, Card No. 41, fig. 1, fig. 21 syntype

Turritella mortoni Conrad, Smith and Johnson, 1887, p. 59 in part; not Conrad, 1830, p. 221

Turritella alabamiensis var. *prealaba* Conrad, Kennedy, 1895, p. 146 *nomen nudum*

Turritella (Haustator) alabamiensis Whitfield, Cossmann, 1912b, p. 118

Range.—Paleocene. Kincaid fm., lower Midway gr.; Clayton fm. lower Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, "nine miles below Prairie Bluff" (Whitfield, 1865), probably Matthews Ldg. small bluff above abandoned landing on left bank Alabama R. WNW. Camden, N. ½ sec. 12, T. 12 N., R. 6 E. (type); USGS sta. 264, Prairie Creek; USGS stas. 281, 284 Prairie Creek and Allenton, Pine Barren section; USGS sta. 283, Black Creek branch of Prairie Creek; USGS sta. 3102, "Black Bluff" beds, at Graveyard Hill, 3 mi. W. of Oak Hill Postoffice. TEXAS: [? *Co.*] Brazos R. near Cretaceous-Eocene contact. ARK.: *Pulaski Co.*, near Olesons Switch, a few miles SW. of Little Rock

Types.—Syntypes (11), No. UC 24522 CNHM

Turritella alabamiensis prealaba Conrad, Kennedy, 1895 *nomen nudum*
See *Turritella alabamiensis* Whitfield

Turritella aldrichi Bowles **Turritellidae**

Turritella humerosa ? Conrad, Aldrich, 1886, p. 59. Not Conrad, 1835b, p. 340

Turritella multilira Whitfield, Aldrich, 1886, p. 59. Not Whitfield, 1865, p. 266

Turritella humerosa var. *multilira* Whitfield, Aldrich, 1894b, p. 246, pl. 13, fig. 3 as *multileia* [*sic*]; Harris, 1896, p. 111 in part, pl. 11, fig. 10 copy Aldrich

Turritella humerosa Conrad var., Aldrich, 1894b, p. 246, pl. 13, fig. 5

Turritella humerosa Conrad, Harris, 1896, p. 111 in part, pl. 11, fig. 11 copy Aldrich; Veatch and Stephenson, 1911, pp. 217, 219, 223, 224; Stephenson and Veatch 1915, pp. 68, 69; Brantly, 1920, pp. 145, 146. Not Conrad, 1835b, p. 340

Turritella aldrichi Bowles, 1939, p. 315, pl. 34, figs. 11, 17; Le Blanc, 1942⁺, p. 96, pl. 13, figs. 3, 4; Stenzel and Turner, [1942], Gastropoda 14, Card No. 42, fig. 11 holotype fig. 17 paratype

Range.—Paleocene. Clayton fm., lower Midway gr.; "Logansport" fm. name preoccupied middle Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Matthews Ldg., small bluff above abandoned ldg. WNW. of Camden, N. ½ sec. 12, T. 12 N., R. 6 E., Alabama R. (type); Prairie Cr.; Prairie Cr. and Allenton, Pine Barren section; Black Creek branch of Prairie Creek; Camden road, 1 mi. W. of Oak Hill. GA.: *Webster Co.*, limestone at Lime Spring, Cole property, 2 mi. SE. of Preston; *Schley Co.*, 5 mi. W. of Ellaville. LA.: *Natchitoches Par.*, road cut NW. ¼ SE. ¼ sec. 33, T 10 N., R 10 W.

Types.—Holotype, No. 495148; paratype, No. 495149 USNM

Turritella allentonensis Aldrich
See *Mesalia allentonensis* (Aldrich)

Turritella alveata Conrad **Turritellidae**

Turritella alveata Conrad *in* Wailes, 1854, pl. 17, fig. 7 (reprint, 1939, pl. 4, fig. 7); Conrad, 1856a, p. 263 (reprint, 1939, p. 9); Harris, 1894b, pp. 120, 169, 181; Bowles, 1939, p. 306, pl. 32, fig. 1 type designation; Stenzel and Turner [1942], Gastropoda 14, Card No. 43, figs. 1, 2, fig. 7 copy Conrad; Harris and Palmer, 1947, p. 288, pl. 36, figs. 7-12; Brann and Kent, 1960, p. 897

Mesalia alveata (Conrad), Conrad, 1865a, p. 33; Conrad, 1866a, p. 25

Turritella (Haustator) alveata Conrad, Cossmann, 1912b, p. 118

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Moody Branch, cliff on rt. bank of branch near intersection of Peachtree St. and Poplar Blvd. in N. part Jackson (type); *Clarke Co.*, Garland Cr., near Shubuta loose material in stream 2-3 mi. S. of bridge site; Garland Cr.; Garland Creek, about 4 mi. NE. of Shubuta. LA.: *Grant Par.*, Montgomery Ldg., Red R.; ½ mi. below ferry Montgomery Ldg., Red R.; lower layer, Montgomery Ldg., Red R.; nine feet below Moodys Branch marl at Creole Bluff, Montgomery, Red R. [Stenzel]; *Caldwell Par.*, Gibson Ldg., Ouachita R.; 1 mi. above Gibson Ldg. Ouachita R.; ¾ mi. below Gibson Ldg., Ouachita R.; Grandview Bluff, Ouachita R.; Bunker Hill Ldg., Ouachita R.; Bunker Hill bluff, Ouachita R.

Type.—Lectotype, No. 13213 ANSP Moore, 1962, p. 37

Turritella apita de Gregorio **Turritellidae**

Turritella carinata H. C. Lea, 1841, p. 96, pl. 1, fig. 10; H. C. Lea, 1849, p. 107; Meyer, 1887b, p. 54, pl. 3, figs. 1, 1a; Harris, 1895b, p. 10. Not *T. carinata* I. Lea, 1833, p. 129

Turritella apita de Gregorio, 1890, p. 123, pl. 11, fig. 8, fig. 26 copy *T. carinata* H. C. Lea, figs. 27a, b copies Meyer, 1887b; Cossmann, 1893, p. 29; Harris, 1895b, p. 82; Palmer, 1937, p. 195, pl. 24, figs. 1, 3, 7, 10; Bowles, 1939, p. 275, pl. 31, fig. 4; Stenzel and Turner, [1942], Gastropoda 16, Card No. 44, figs. 1, 2, fig. 8 type; Harris and Palmer 1947, p. 285; Brann and Kent, 1960, p. 898; Glibert, 1962b, p. 103

Turritella (Haustator) clairbornensis apita de Gregorio, Cossmann, 1912b, p. 118

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, left bank, Alabama R. (type)

Types.—Holotype, No. 26438 De Gregorio Coll., PRI. Lectotype *T. carinata* H. C. Lea, No. 13173 ANSP

Turritella arenicola (Conrad) **Turritellidae**

Turritella plebeia Say, Owen, 1860, pl. 9, fig. 6. Not Say, 1824b, p. 125

Mesalia ? arenicola Conrad, 1865b, p. 141, pl. 10, fig. 11; Conrad, 1866a, p. 11 locality not Ore.

Turritella carinata I. Lea ?, Heilprin, 1884b, p. 37; Call, 1891, p. 8

Turritella arenicola (Conrad), Dall, 1891 footnote *in* Call, p. 8; Dall, 1892, pp. 232, 310; Stewart, 1927, p. 354; Bowles, 1939, p. 275, pl. 31, figs. 5-7; includes *T. branneri;* Stenzel and Turner, [1942], Gastropoda 17, Card No. 45, figs. 1-13, fig. 11 copy Conrad; Harris and Palmer, 1947, p. 281, pl. 34, figs. 8-11; Brann and Kent, 1960, pp. 898, 899

Turritella arenicola branneri Harris, 1894b, p. 169, pl. 6, fig. 7; Schuchert, *et al.*, 1905, p. 676; Palmer, 1937, p. 197, pl. 23, figs. 1, 2; Stenzel and Turner [1942] Gastropoda 21, Card No. 49, figs. 5, 6, fig. 7 holotype; Harris and Palmer, 1947, p. 283, pl. 34, figs. 2, 3, 6, 7; Wilbert, 1953, p. 123, pl. 2, fig. 5; Brann and Kent, 1960, p. 899; Glibert, 1962b, p. 101

Range.—Upper Eocene. White Bluff fm. (type, *T. branneri)*, lower Jackson gr.; Moodys Branch fm., lower Jackson gr. (type *T. arenicola*); Danville Ldg. beds, uppermost Jackson gr.

Localities.—ARK.: *Jefferson Co.*, White Bluff on rt. bank of Arkansas R., western part of secs. 19 and 30, T. 3 S., R. 10 W. (type *T. branneri); St. Francis Co.*, Crow Cr., 2 mi. E. of Forrest City; *Cleveland Co.*, Vince Ferry, Saline R. LA.: *Catahoula Par.*, Carter Ldg., Ouachita R.; *Caldwell Par.*, Wyant [Myatt] Bluff, Ouachita R. Gibson Ldg., Ouachita R.; *Vernon Par.*, Bayou Toro "first bluff"; *Grant Par.*, Montgomery Ldg., Red R. TEXAS: *Sabine Co.*, center sec. 6, T. 3 N., R. 12 W., ½ mi. below Robinsons Ferry, Sabine R. MISS.: *Clarke Co.*, Garlands Creek, bluff on S. bank of creek, 0.2 mi. E. of bridge and about 3.5 mi. NE. Shubuta (airline distance), NE. corner sec 28, T. 1 N., R. 16 E. (type, *T. arenicola)*, [Not Enterprise see Aldrich, 1885c, p. 307]; ½-1 mi. below old bridge site; 2-3 mi. in stream S. of old bridge site; *Hinds Co.*, Moodys Branch, Jackson; Town Creek, Jackson

Types.—Lectotype *T. arenicola* Conrad, No. 15536 ANSP. Holotype *T. arenicola branneri* Harris, No. 135141 USNM

Turritella arenicola branneri Harris
See *Turritella arenicola* (Conrad)

Turritella arenicola danvillensis Stenzel and Turner **Turritellidae**

Turritella arenicola danvillensis Stenzel and Turner, 1940, p. 841, pl. 47, figs. 4, 5; Stenzel and Turner, [1942], Gastropoda 30, Card No. 58, figs. 4, 5 syntypes; Harris and Palmer, 1947, p. 284, pl. 34, figs. 1, 4, 5; pl. 35, fig. 1; Brann and Kent, 1960, pp. 899, 900

Range.—Upper Eocene. Danville Ldg. beds (type), uppermost Jackson gr.

Localities.—LA.: *Catahoula Par.*, Danville Ldg. bluff on right bank Ouachita R. on boundary between Caldwell and Catahoula Pars. (type); 2 mi. N. of Rosefield; Carters Ldg., Ouachita R.

Types.—Syntypes, Nos. 20962, 20963 BEG

Turritella bellifera Aldrich **Turritellidae**

Turritella bellifera Aldrich, 1885a, p. 150, pl. 3, fig. 13; Aldrich, 1886 in part, pp. 34, 55, pl. 1, fig. 13, not p. 58; not Smith and Johnson, 1887, p. 29; not Clark, 1891, p. 63; Cossmann, 1893, p. 29; Aldrich, 1894b in part, p. 237, not pp. 130, 233, 238; not Brantly, 1920, p. 161; F. B. Plummer, 1933, p. 815, pl. 10, fig. 7; Bowles, 1939, p. 317, pl. 34, fig. 16 holotype; Stenzel and Turner, [1942], Gastropoda 18, Card No. 46, fig. 1, fig. 16 holotype

Turritella (Proto) cathedralis bellifera Aldrich, de Gregorio, 1890, p. 127, pl. 11, fig. 17 copy Aldrich, fig. 38

Turritella humerosa Conrad, Harris, 1899a, p. 75, pl. 10, fig. 5; Harris, 1899b, p. 308, pl. 55, fig. 5; Brann and Kent, 1960, p. 920 in part Harris, 1899a, pl. 10, fig. 5 only

Turritella (Haustator) bellifera Aldrich, Cossmann, 1912b, p. 118

Range.—Lower Eocene. Cf. Marthaville fm., lower Wilcox [Sabine] gr.; Bells Ldg. mem. (type), Tuscahoma fm., middle Wilcox [Sabine] gr.; Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.; Pendleton Ferry fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, lower stratum, Bells Ldg., left bank Alabama R., W. of Tinela (type); Greggs Ldg., Alabama R.; *Choctaw Co.*, Tuscahoma Ldg., Tombigbee R.; *Dale Co.*, Becks Mill, Pea R., 10 mi. from Brundidge; *Wilcox Co.*, Lower Peachtree bluff, Alabama R. TEXAS: *Sabine Co.*, Pendleton, Sabine R.; ¼ mi. above Pendleton Ferry, Sabine R. LA.: *Sabine Par.*, La Nana Bayou; cf. road cut along La. Highway 402 in NW. ¼ SE ¼ NW ¼ sec. 18, T. 8 N., R. 11 W.

Type.—Lectotype, No. 644614 USNM

Turritella bellifera Aldrich, Aldrich, 1886 in part, p. 58
See *Turritella multilira* Whitfield

Turritella biboraensis Gardner
See *Turritella humerosa biboraensis* Gardner

Turritella bunkerhillensis Palmer **Turritellidae**

Turritella bunkerhillensis Palmer *in* Harris and Palmer, 1947, p. 287, pl. 35, figs. 3, 10; Brann and Kent, 1960, pp. 903, 904

Range.—Upper Eocene. Tullos mem. (type), Yazoo cl., upper Jackson gr.

Locality.—LA.: *Caldwell Par.*, Bunker Hill, Ouachita R. (type)

Types.—Holotype, No. 4581; paratype, No. 4582 PRI

Turritella caelatura Conrad, 1848b, p. 114, pl. 14, fig. 16; Stenzel and Turner, [1942], Gastropoda 23, Card No. 51=Oligocene. Not Eocene as in Conrad, 1865a, p. 11

Turritella carinata I. Lea **Turritellidae**

Turritella carinata I. Lea, 1833, p. 129, pl. 4, fig. 120; H. C. Lea, 1849, p. 107; not Dana, 1863, fig. 802 = *T. ghigna* de Gregorio; Conrad, 1865a, p. 32 not Vicksburg; Conrad, 1866a, p. 11; de Gregorio, 1890, p. 122 in part, pl. 11, figs. 3-5, fig. 6 copy I. Lea, fig. 9 copy *T. mortoni* Conrad, 1835a; not Heilprin, 1891a, p. 400; Cossmann, 1893, p. 29; not Dana, 1895, fig. 1486 same as 1863 = *T. ghigna* de Gregorio; Harris, 1895b, p. 10; Palmer, 1937, p. 189, pl. 24, figs. 5, 6, 8, 9, 12, pl. 82, fig. 1 type *T. gracilis* H. C. Lea; Bowles, 1939, p. 304 in part, pl. 33, fig. 13; Stenzel and Turner, [1942], Gastropoda 24, Card No. 52, figs. 1, 2, fig. 120 copy I. Lea; Brann and Kent, 1960, pp. 904, 905; Glibert, 1962b, p. 95. Not *Turritella carinata* H. C. Lea, 1841, p. 96, not H. C. Lea, 1849, p. 107 [2d listed] (= *T. apita* de Gregorio)

Turritella mortoni Conrad, Conrad, 1835a, p. 40 in part, pl. 15, fig. 11 (Harris reprint, 1893, p. 40, pl. 15, fig. 11). Not *T. mortoni* Conrad, 1830, p. 213

Turritella gracilis H. C. Lea, 1841, p. 97, pl. 1, fig. 12 [apical whorls]; H. C. Lea, 1849, p. 107; de Gregorio, 1890, p. 127, pl. 11, fig. 32 copy I. Lea; Harris, 1895b, p. 21

Turritella mut. *tiga* de Gregorio, 1890, p. 126, pl. 11, fig. 22; Cossmann, 1893, p. 29

Turritella (Haustator) claibornensis tiga de Gregorio, Cossmann, 1912b, p. 118

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type). MISS.: *Clarke Co.*, Wautubbee; *Newton Co.*, Indian Mound, 3 mi. E. of Newton on A. and V. R.R.; 2 mi. NE. of Newton on route 15; Hickory

Types.—Lectotype, No. 5661 ANSP. Holotype *T. gracilis* H. C. Lea No.13174 ANSP. Holotype *T. claibornensis tiga* de Gregorio, De Gregorio Coll No. 26440 PRI

Turritella carinata H. C. Lea, 1841. Not *T. carinata* I. Lea, 1833
See *Turritella apita* de Gregorio

Turritella carinata I. Lea, Heilprin, 1884b. Not I. Lea, 1833
See *Turritella arenicola* (Conrad)

Turritella carinata palmerae Bowles **Turritellidae**

Turritella mortoni Conrad "var.", Harris, 1899a, p. 75 [Lisbon]

Turritella mortoni turneri F. B. Plummer, Palmer, 1937, p. 195 in part, pl. 23, figs. 3, 7 only; not pl. 23, figs. 4, 5 copies *Turritella dumblei turneri* which see; Brann and Kent, 1960, p. 928

Turritella carinata palmerae Bowles, 1939, p. 305, pl. 33, fig. 12; Stenzel and Turner [1942] Gastropoda 61, Card No. 89, fig. 1, fig. 12 holotype

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, bluff about 1 mi. S. Lisbon Ldg. on rt. bank Alabama R. (type). MISS.: *Clarke Co.*, Wautubbee Hills; *Newton Co.*, Indian Mound, 3¼ mi. E. of Newton. LA.; *Winn Par.*, mouth of Saline Bayou; St. Maurice. S.C.: *Orange-*

burg Co., Poosers Hills, 5.1 mi. N. of Orangeburg Courthouse; Caw Caw Swamp, 2 mi. W. of Orangeburg; *Aiken Co.*, Hixon Bridge, Tinker's Creek public road 200 ft. E. of bridge
Type.—Holotype, No. 497997 USNM

Turritella carnifera claibornensis de Gregorio
See *Turritella ghigna* de Gregorio

Turritella (Proto) cathedralis bellifera Aldrich
See *Turritella bellifera* Aldrich

Turritella chirena Stenzel and Turner **Turritellidae**

Turritella chirena Stenzel and Turner, 1940, p. 838, pl. 47, fig. 3; Stenzel and Turner [1942], Gastropoda 26, Card No. 54, fig. 3 holotype

Range.—Middle Eocene. Cane R. fm. (type), middle Claiborne gr.
Locality.—TEXAS: *Nacogdoches Co.*, E. ditch of road from Chireno to State highway No. 21, N. of town (type)
Type.—Holotype, No. 20960 BEG

Turritella claibornensis Conrad
See *Mesalia claibornensis* Harris

Turritella claibornensis de Gregorio
See *Turritella ghigna* de Gregorio

Turritella (Haustator) claibornensis tiga de Gregorio
See *Turritella carinata* Lea

Turritella claytonensis Bowles **Turritellidae**

Turritella humerosa Conrad, Harris, 1896, p. 110 in part, pl. 11, fig. 12 only. Not Conrad, 1835b, p. 340
Turritella claytonensis Bowles, 1939, p. 314, pl. 34, figs. 14, 15; Stenzel and Turner [1942] Gastropoda 27, Card No. 55, figs. 14, 15 holotype

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA: *Wilcox Co*, Prairie Creek, about 3 mi. N. of Oak Hill (type); *Barbour Co.*, cut on Central Georgia R.R., near Clayton
Type.—Holotype, No. 131637 USNM

Turritella clevelandia Harris **Turritellidae**

Turritella perdita ? Dall footnote *in* Call, 1891, p. 8 *fide* Harris, 1894b, p. 92
? *Turritella mortoni* Call, 1891, p. 8 *fide* Harris, 1894b, p. 92
Turritella clevelandia Harris, 1894b, p. 170, pl. 4, fig. 9; Vaughan, 1896, p. 50; Harris, 1899a, p. 74 in part, part = *T. gilberti* Bowles, 1939; Schuchert, *et al.*, 1905, p. 676; Palmer, 1937, p. 202, pl. 26, fig. 6 holotype, fig. 7; Bowles, 1939, p. 308, pl. 31, figs. 9, 12; Stenzel and Turner, [1942], Gastropoda 28, Card No. 56, figs. 1, 9 lectotype, 12; Harris and Palmer, 1947, p. 290, pl. 36, figs. 1-6; Wilbert, 1953, p. 123, pl. 2, fig. 4; Brann and Kent, 1960, p. 907; Glibert, 1962b, p. 95
Turritella (Haustator) Clevlandica [*sic*] Harris, Cossmann, 1912b, p. 118

Range.—Upper Eocene. White Bluff fm. (type), lower Jackson gr.; Moodys Branch fm., lower Jackson gr.; Danville Ldg. beds, uppermost Jackson gr.

Localities.—ARK.: *Jefferson Co.*, White Bluff on rt. bank Arkansas R. western part secs. 19 and 30, T. 3 S., R. 10 W. (type); *St Francis Co.*, Crow Creek; Little Crow Creek, 2 mi. E. of Forrest City; *Cleveland Co.*, Vince Ferry, Saline R.; for further Ark. see Bowles, 1939, pp. 308, 309. LA.: *Sabine Par.*, well at Negreet, 9 mi. SW. of Many; *Caldwell Par.*, Bunker Hill Ldg., Ouachita R.; *Catahoula Par.*, Carter Ldg., Ouachita R.; Danville Ldg., Ouachita R.; *Grant Par.*, ¼ to ½ mi. below Montgomery Ldg., Red R. MISS.: *Yazoo Co.*, Sims Siding, 8 mi. N. of Yazoo City

Types.—Lectotype, No. 498010 (Bowles); paralectotypes, No. 135142 USNM

Turritella cortezi Bowles **Turritellidae**

Turritella cortezi Bowles, 1939, p. 280, pl. 31, figs. 11, 15; Stenzel and Turner, [1942], Gastropoda 29, Card 57, figs. 1, 2, fig. 11 paratype, fig. 15 holotype; Harris and Palmer, 1947, pp. 296, 297

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.

Localities.—MEXICO: State of *Tamaulipas*, south 44° west, 7200 m. from church tower in Mier (type), see Bowles, 1939, p. 281 for further Mexico localities. TEXAS. For localities in La Salle and Zapata Cos. see Bowles, 1939, p. 281

Types.—Holotype, No. 495172; paratype, No. 495173 USNM

Turritella creola Palmer **Turritellidae**

Turritella creola Palmer *in* Harris and Palmer, 1947, p. 286, pl. 35, figs. 2, 4, 5; Brann and Kent, 1960, p. 909

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery, Creole Bluff, Red R. (type)

Types.—Holotype, No. 4579; paratypes, Nos. 4577, 4578, 4580, PRI

Turritella dumblei Harris **Turritellidae**

Turritella dumblei Harris, 1895a, p. 81, pl. 9, fig. 7; Kennedy, 1895, pp. 123, 124, 127-129; Palmer, 1937, p. 202 in part, pl. 26, fig. 11 type, 15, not fig. 10 = *Turritella* sp.; Bowles, 1939, p. 303, pl. 32, figs. 9, 19; Stenzel and Turner, [1942], Gastropoda 31, Card No. 59, fig. 1 lectotype, fig. 2 paralectotype

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.

Locality.—TEXAS: *Burleson Co.*, Stone City (Moseley's Ferry) bluff on rt. bank of Brazos R. at bridge State highway No. 21 and bridge Southern Pacific R.R. (type)

Types.—Lectotype and paralectotypes from 4 syntypes No. 35661 BEG

Turritella dumblei Harris, Kennedy, 1895, in part; Palmer, 1937 in part
See *Turritella* sp.

Turritella dumblei Harris n. var., Stenzel *in* Renick and Stenzel, 1931
See *Turritella infans* Stenzel and Turner

Turritella dumblei turneri F. B. Plummer
See *Turritella turneri* F. B. Plummer

Turritella dutexata Harris **Turritellidae**

Turritella dutexata Harris, 1895a, p. 82, pl. 9, fig. 8; Palmer, 1937, p. 198 in part, pl. 26, figs. 2, 4; fig. 3 holotype; not figs. 1, 8, 9 = *T. cf. dutexata;* not *T. dutexata* Bowles, 1939, p. 285, pl. 31, fig. 2 = *T. femina* Stenzel; Stenzel and Turner, 1940, p. 833, pl. 46, figs. 4-6; Stenzel and Turner, [1942], Gastropoda 32, Card No. 60, figs. 4, 6, fig. 5 holotype; Harris and Palmer, 1947, p. 287; Brann and Kent, 1960, p. 910 in part, Nos. 2910, 2911 only

Range.—Middle Eocene. Basal Landrum mem. (type), Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Lee Co.*, from Orell's to Prices Crossing over Elm Cr. (Stenzel and Turner) (type): *Sabine Co.*, Sabine R., opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129). MISS.: *Clarke Co.*, Wautubee
Type.—Holotype, No. 35500 BEG

Turritella dutexata Harris, Bowles, 1939; not Harris, 1895a
See *Turritella femina* Stenzel

Turritella cf. **dutexata** Harris **Turritellidae**

Turritella dutexata Harris, Palmer, 1937, p. 198 in part, pl. 26, figs. 8, 9; Brann and Kent, 1960, p. 910

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Localities.—MISS.: *Newton Co.*, Hickory. TEXAS: *Robertson Co.*, about 6 mi. NW. Wheelock
Types.—Figured specimens, Nos. 2912, 2913 PRI

Turritella cf. **dutexata** Harris **Turritellidae**

Turritella dutexata Harris, Palmer, 1937, p. 199, pl. 26, fig. 1; Brann and Kent, 1960, p. 910

Range.—Middle Eocene. Gosport sd., uppermost Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (one specimen)
Type.—Figured specimen, No. 2909 PRI

Turritella dutexata lisbonensis Bowles
See *Turritella lisbonensis* Bowles

Cf.**Turritella elongata** (Whitfield) **Turritellidae**

Mesalia elongata Whitfield, 1892, p. 230, pl. 34, figs. 13-15; Whitfield, 1899, p. 171
Turritella elongata (Whitfield), Stenzel and Turner, [1942], Gastropoda 33, Card No. 61, figs. 13-15 syntypes. Not *T. elongata* J. Sowerby, 1814, p. 110 pl. 51

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J. *Monmouth Co.*, Shark R.
Types.—Syntypes, AMNH (Whitfield, 1899, p. 171); not found 1964

Turritella eterina de Gregorio
See *Turritella ghigna* de Gregorio

Turritella eurynome Whitfield **Turritellidae**

Turritella eurynome Whitfield, 1865, p. 266, Aldrich, 1887, p. 81; de Gregorio, 1890, p. 127; Aldrich, 1894b, p. 237, not p. 233 = *T. rina subrina* Palmer; Harris, 1899a, p. 75, pl. 10, fig. 7; Bowles, 1939, p. 292, pl. 31, fig. 13; pl. 32, fig. 18; Le Blanc, 1942+, p. 97, pl. 13, fig. 5; Stenzel and Turner, [1942], Gastropoda 34, Card No. 62, fig. 13, fig. 18 syntype

Turritella sp., F. B. Plummer, 1933, p. 815, pl. 10, figs. 9, 9a.

Turritella humerosa Conrad "var.", Brann and Kent, 1960, p. 920 in part, No. 273 only

Range.—Lower Eocene. Bells Ldg. mem., Tuscahoma fm. (type middle Wilcox [Sabine] gr.); Greggs Ldg. mem., Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: "Monroe Co.", "six miles above Claiborne, on the west side of the river" (type, Whitfield) = Bells Ldg. *fide* Bowles, 1939, p. 292; = Greggs Ldg., rt. bank Alabama R., W. of Tinela *fide* Stenzel and Turner. TEXAS: *Sabine Co.*, Pendleton, Sabine R. Cf. LA.: *Natchitoches Par.*, Roe's field in NW. ¼ NE. ¼ SW. ¼ sec. 26, T. 9 N., R. 10 W.

Types.—Syntypes (3), No. UC 24505 CNHM

Turritella eurynome Whitfield, Aldrich, 1894b, p. 233 only. Not Whitfield, 1865

See *Turritella rina subrina* Palmer

Turritella femina Stenzel **Turritellidae**

Turritella femina Stenzel *in* Renick and Stenzel, 1931, pp. 87, 89, 107 [reference only], pl. 6, fig. 14; F. B. Plummer, 1933, pp. 644, 647, 815; Palmer, 1937, p. 203, pl. 26, fig. 5 copy Stenzel; Stenzel and Turner, 1940, p. 830, pl. 46, figs. 11-13; Stenzel and Turner, [1942], Gastropoda 36, Card No. 64, figs. 11, 13 paratypes, fig. 12 holotype; Harris and Palmer, 1947, p. 286

Turritella dutexata Harris, Bowles, 1939, p. 285, pl. 31, fig. 2. Not *T. dutexata* Harris, 1895a, p. 82

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Localities.—TEXAS: E. *Robertson Co.*, bluff on right bank of Cobb Branch near its head, 0.6 mi. NW. of Camp Creek schoolhouse, on Buck McBride's 134 acre tract, Jose Maria Viesca survey (type)

Type.—Holotype, No. 20965 BEG

Turritella femina oligoploka Stenzel **Turritellidae**

Turritella femina oligoploka Stenzel *in* Stenzel and Turner, 1940, p. 832, pl. 46, figs. 7-10; Stenzel and Turner, [1942], Gastropoda 60, Card No. 88, figs. 7-10 syntypes

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Locality.—TEXAS: *Leon Co.*, N. ditch of Concord-Centerville County road, 0.6 mi. SE. of Robbins crossroad in south corner of J. M. Powell 100-acre tract, in S. corner of R. M. Tyus survey (type)

Types.—Syntypes, No. 20969-20972 BEG

Turritella fischeri Palmer **Turritellidae**

Turritella fischeri Palmer *in* Richards and Palmer, 1953, p. 14, pl. 1, figs. 1-5

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55, SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); ⅛ mi. below Florida Power Corporation Plant, Inglis, on right bank of Withlacoochee R., SE. ¼ NW. ¼ sec. 3, T. 17 S., R. 16 E.

Types.—Holotype, No. I-7399; paratypes, Nos. I-7400-7403 Fla. Geol. Sur.

Turritella gardnerae Le Blanc **Turritellidae**

Turritella gardnerae LeBlanc, 1942^{+}, p. 94, pl. 13, figs. 1, 2

Range.—Paleocene. Upper Midway gr. (type)

Locality.—LA.: *Natchitoches Par.*, road cut in NE. [NW. p. 32] ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W. along dirt road leading W. from La. Highway 404 (type)

Types.—Holotype, No. 3145; paratype, No. 3146 LSU Pal. Mus.

Turritella ghigna de Gregorio **Turritellidae**

Turritella mortoni var. A. Conrad, 1835a, p. 40. Not *T. mortoni* Conrad, 1830, p. 213

Turritella monilifera H. C. Lea, 1841, p. 97, pl. 1, fig. 11 apical whorl; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 29. Not *T. monilifera* Adams and Reeve, 1848 [1850], p. 48; not *T. monilifera* Deshayes, 1833a, p. 275

Turritella carinata I. Lea, Dana, 1863, fig. 802; Dana, 1895, fig. 1486 same as 1863. Not *T. carinata* I. Lea, 1833, p. 129

Turritella ghigna de Gregorio, 1890, p. 125, pl. 11, fig. 19; Palmer, 1937, p. 191, pl. 24, figs. 2, 4, 11, 13, 15; pl. 83, fig. 1 type *T. monilifera* H. C. Lea; Stenzel and Turner, [1942], Gastropoda 37, Card No. 65, fig. 1, fig. 19 holotype; Brann and Kent, 1960, p. 914; Glibert, 1962b, p. 97

Turritella litripa de Gregorio, 1890, p. 125, pl. 11, fig. 20

Turritella carinifera claibornensis de Gregorio, 1890, p. 126, pl. 11, fig. 33 copy *T. monilifera* H. C. Lea

Turritella hybrida Deshayes, de Gregorio, 1890, p. 126, pl. 11, fig. 23. Not *T. hybrida* Deshayes, 1833a, p. 278

? *Turritella eterina* de Gregorio, 1890, p. 126, pl. 11, figs. 34-36 [may be *carinata* I. Lea]; Cossmann, 1893, p. 29

Turritella claibornensis de Gregorio, Cossmann, 1893, p. 29

Turritella (Haustator) claibornensis de Gregorio, Cossmann, 1912b, p. 118

Turritella (Haustator) claibornensis eterina de Gregorio, Cossmann, 1912b, p. 118

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.; Gosport sd. (type), uppermost Claiborne gr.

Localities.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type); Lisbon Bluff, Alabama R. MISS.: *Newton Co.*, Hickory; *Clarke Co.*, Wautubbee

Types.—Holotype formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost. Lectotype *T. monilifera* H. C. Lea No. 13175 ANSP. Holotype *T. m. litripa* de Gregorio Coll., No. 26441 PRI. Holotype *T. eterina* formerly De Gregorio Coll., Univ. Palermo, Sicily. Lost

Turritella gilberti Bowles **Turritellidae**

Turritella carinata I. Lea, Aldrich, 1894b, p. 235; Brantly, 1920, p. 156. Not *T. carinata* I. Lea, 1833, p. 129

Turritella lineata I. Lea, Smith, Langdon, and Johnson, 1894, p. 156. Not *T. lineata* I. Lea, 1833, p. 130

Turritella clevelandia Harris, Harris, 1897b, p. 32. Not Harris, 1894b, p. 170

Turritella clevelandia Harris var., Harris, 1899a, p. 74, pl. 10, fig. 2; Brann and Kent, 1960, p. 907

Turritella gilberti Bowles, 1939, p. 302, pl. 32, fig. 16; Stenzel and Turner, [1942], Gastropoda 38, Card No. 66, fig. 1, fig. 16 holotype; Harris and Palmer, 1947, p. 291

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Localities.—ALA.: *Clarke Co.*, Woods Bluff, left bank at lock and dam No. 1 near Woodbluff Tombigbee R. (type); headwaters of Beaver Creek about ¼ mi. E. of Choctaw Corners; about 3 mi. W. of Choctaw Corners. *Choctaw Co.*, ½ mi. W. of Butler; *Coffee Co.*, near mouth of branch flowing into Pea R. at Churchwells Bridge, 5½ mi. S. of Elba; Pea R., 4 mi. below Elba; *Dale Co.*, Ozark. MISS.: *Lauderdale Co.*, Souwashee Cr., 2 mi. S. of Meridian; cut on M. and M. R.R., 1½ mi. S. of Meridian. For complete localities see Bowles, 1939, p. 303

Type.—Holotype, No. 494993 USNM

Turritella gracilis H. C. Lea
See *Turritella carinata* I. Lea

Turritella hardemanensis Gabb
See *Mesalia hardemanensis* (Gabb)

Turritella hilli Gardner **Turritellidae**

Turritella levicunea Harris, F. B. Plummer, 1933, p. 815, pl. 10, figs. 4, 4a. Not *T. mortoni levicunea* Harris, 1896

Turritella hilli Gardner, 1935, p. 292, pl. 25, figs. 4-6; Bowles, 1939, p. 301; Stenzel and Turner, [1942], Gastropoda 40, Card No. 68, figs. 1, 2, figs. 4, 5 paratypes, fig. 6 holotype

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.

Localities.—TEXAS: *Bastrop Co.*, rt. bank Colorado R., ¼ mi. below mouth of Dry Creek and approx. 1¼ mi. below Bastrop-Travis County line (type); Colorado R., ½ mi. + ¾ mi. above mouth of Dry Creek; Colorado R. 1½ mi. below Travis-Bastrop Co. line

Types.—Holotype and 2 paratypes, No. 373054 USNM

Turritella houstonia Harris **Turritellidae**

Turritella nasuta houstonia Harris, Dumble, 1894, p. 552 *nomen nudum;* Harris, 1895a, p. 81, pl. 9, fig. 6; Deussen, 1924, p. 67, pl. 22, fig. 4a; Trowbridge, 1932, p. 131, pl. 42, fig. 8 copy Deussen; F. B. Plummer, 1933, p. 815, pl. 10, fig. 11; Palmer, 1937, p. 201, pl. 25, fig. 4 holotype, figs. 7, 11; Bowles, 1939, p. 291, pl. 32, figs. 2, 3; Brann and Kent, 1960, p. 929

Turritella houstonia Harris, Stenzel and Turner, [1942], Gastropoda 41, Card No. 69, fig. 1 holotype, figs. 2, 3; Stenzel, 1957a, p. 888

Range.—Middle Eocene. Stone City beds, middle Claiborne gr., Landrum mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Houston Co.*, Alum [Alabama] Bluff, left bank Trinity River, 0.3 mi. below abandoned ferry, 7.5 mi. WSW. Porter Springs (type); *Lee Co.*, Orell's Crossing, Elm Cr., 5.2 mi. NW. of Giddings; Elm Creek near Benchley; *Robertson Co.*, Dunn Ranch; Rio Grande at *Webb-Zapata Co.* line; *Burleson Co.*, Mosley's Ferry [Stone City Bluff] Brazos R.

Type.—Holotype, No. 35657 BEG [No. 1555 Geol. Dept., Univ. Texas]

Turritella humerosa Conrad **Turritellidae**

Turritella humerosa Conrad, 1835b, p. 340, pl. 13, fig. 3; Conrad, 1846b, p. 219; H. C. Lea, 1849, p. 107; Conrad, 1865a, p. 32; Conrad, 1866a, p. 11; not Aldrich, 1886, p. 59 = *T. aldrichi;* Harris, 1894a, p. 303 in part; Clark, 1895, p. 4; Clark, 1896, p. 70, pl. 14, fig. 1; not Harris, 1896, pp. 15, 16, 32, 36, 110, pl. 11, figs. 10-13 (used in group sense for related Midway forms); not Harris, 1899a, p. 75, pl. 10, figs. 5-7 (used in group sense Wilcox forms); not Harris, 1899b, p. 308, pl. 55, fig. 5 = *T. bellifera* Aldrich; Clark and Martin, 1901, p. 148, pl. 27, figs. 1, 1a; not Veatch and Stephenson, 1911, pp. 217, 219, 223, 224 = *T. aldrichi* Bowles; Clark and Miller, 1912, pp. 92, 94, 95, 119, 120; not Stephenson and Veatch, 1915, pp. 68, 69 = *T. aldrichi* Bowles; Guillaume, 1924, p. 290; Trowbridge, 1932 in part, pl. 38, fig. 7 copy Clark and Martin, 1901; not pl. 31, figs. 6, 7 *T. mortoni postmortoni* Harris = copies *T. mortoni* Conrad, Veatch, 1906; after Harris 1899a, b, not No. 11754 USNM as in Trowbridge; Gardner, 1935, pp. 288-290 (name used in group sense); Bowles, 1939, p. 312, pl. 33, fig. 10; Stenzel and Turner, [1942], Gastropoda 42, Card No. 70, fig. 10; Vokes, 1961, p. 49, pl. 10, fig. 2; Toulmin and La Moreaux, 1963, p. 394

Turritella (Haustator) humerosa Conrad, Cossmann, 1912b, p. 118

Not *Turritella humerosa* Conrad "var.", Cooke, 1926a, pl. 94, fig. 1 = *T. multilira* Whitfield; not Semmes, 1929, fig. 59-1 copy Cooke, 1926a

Turritella (Peyrotia) humerosa Conrad, Shimer and Shrock, 1944, p. 493, pl. 201, fig. 18 copy Clark and Martin

Range.—Paleocene. Aquia fm. (type)

Localities.—MD.: *Prince Georges Co.*, Piscataway (type); 6 mi. E. of Washington; ¾ mi. back of Fort Washington; Glymont; Tinkers Cr.; between Buena Vista and Collington; Upper Marlboro Brooks Estate near Seat Pleasant; *Charles Co.*, Clifton Beach; 1 mi. SE. Mason Springs; Liverpool Point; *Anne Arundel Co.*, South R., 2½ mi. from Annapolis; Sheckels Farm near South R. VA.: *Stafford Co.*, Aquia Cr.; Stafford Courthouse; bluffs on Potomac R. at mouth of Aquia Cr.; W. bank Potomac R., 2/3 mi. N. of mouth of Potomac Cr.; *King George Co.*, mouth of Paspotansa Cr. GA.: Chattahoochee R. area (see Toulmin and La Moreaux, 1963 for section)

Types.—Lectotype and 4 paratypes, ANSP. Lectotype designated by Bowles, catalogue number not given. Cited by Stenzel and Turner [1942] Card No. 70. Not seen by Moore, 1962, p. 64

Turritella humerosa of authors Alabama, Georgia, Louisiana, Paleocene See *Turritella aldrichi* Bowles

Turritella sp. cf. *T. humerosa* Conrad, Gardner, 1935, pp. 288-290. Not Conrad, 1835b
See *Turritella humerosa biboraensis* Gardner
See also *Turritella* spp.

Turritella cf. *humerosa* Conrad, Trowbridge, 1932. Not Conrad, 1835b
See *Turritella* sp.

Turritella humerosa Conrad "var.", Aldrich, 1894b, Harris 1896 in part
See *Turritella aldrichi* Bowles
See also *Turritella claytonensis* Bowles
See *Turritella* sp.

Turritella humerosa Conrad "var.", Harris, 1899a; Harris, 1899b; Brann and Kent, 1960. Not Conrad, 1835b
See *Turritella bellifera* Aldrich
See also *Turritella eurynome* Whitfield
See also *Turritella multilira* Whitfield

Turritella humerosa Conrad "var.", Cooke, 1926a; Semmes, 1929; Brann and Kent, 1960, in part
See *Turritella multilira* Whitfield

Turritella humerosa Conrad "var.", Harris, 1896, pl. 11, figs. 10-13
See *Turritella aldrichi* Bowles, Harris, 1896, pl. 11, figs. 10, 11
See also *Turritella claytonensis* Bowles, Harris, 1896, pl. 11, fig. 12
See also *Turritella* sp., Harris, 1896, pl. 11, fig. 13

Turritella humerosa biboraensis Gardner **Turritellidae**

Turritella biboraensis Gardner, 1935, p. 290, pl. 25, fig. 3; Stenzel anl Turner, [1942], Gastropoda 19, Card No. 47, fig. 3 holotype
Turritella sp. cf. *T. humerosa* Conrad, Gardner, 1935, p. 289, pl. 25, fig. 2
Turritella humerosa biboraensis Gardner, Bowles, 1939, p. 313

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.

Localities.—TEXAS: *Maverick Co.*, Bibora (or Rattlesnake) tank on the headwaters of a left tributary of Cuevas Creek, 6½ mi. airline distance above mouth of Cuevas Creek, on the Indio ranch, on E. side of old Eagle Pass-Laredo rd., 18 mi. SE. of Eagle Pass (type); Indio wells on the Indio Ranch, 29 mi. SE. of Eagle Pass; 3½-4 mi. SW. of the Windmill (Jacal) Ranch house, on Las Islas crossing road; *Limestone Co.*, 2½ mi. NW. of Groesbeck

Type.—Holotype, No. 370989 USNM

Turritella humerosa multileia [*sic*] Whitfield, Aldrich, 1894b
See *Turritella aldrichi* Bowles

Turritella humerosa sanjuanensis Bowles **Turritellidae**

Turritella humerosa sanjuanensis Bowles, 1939, p. 314, pl. 34, fig. 18

Range.—Lower Eocene. Lower Wilcox [Sabine] gr.

Localities.—MEXICO: See Bowles, 1939

Types.—Holotype, No. 494986, paratype, No. 494987 USNM

Turritella hybrida Deshayes, de Gregorio, 1890. Not Deshayes, 1833a
See *Turritella ghigna* de Gregorio

Turritella indenta Conrad, McCallie, 1908. Not Conrad, 1841
See *Turritella martinensis* Dall

Turritella indenta martinensis Dall
See *Turritella martinensis* Dall

Turritella infans Stenzel and Turner **Turritellidae**

Turritella dumblei Harris n. var., Stenzel *in* Renick and Stenzel, 1931, p. 102

Turritella infans Stenzel and Turner, 1940, p. 838, pl. 47, figs. 12-15; Stenzel and Turner, [1942], Gastropoda 43, Card No. 71, figs. 12-15 syntypes; Brann and Kent, 1960, p. 921

Range.—Middle Eocene. Basal Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, Stone City Bluff (Moseley's Ferry), bluff on right bank of Brazos R. at bridge of State highway No. 21 and bridge of Southern Pacific R.R. (type); *Brazos Co.*, creek bed adjoining old San Antonio rd., N. part of George Williams 159-acre tract, NW. part of Abner Lee Jr. Survey

Types.—Holotype and paratypes, No. 20955-20958 BEG; paratype, No. 7173 PRI

Turritella jacksonensis Cooke
See *Turritella perdita jacksonensis* Cooke

Turritella kincaidensis F. B. Plummer **Turritellidae**

Turritella kincaidensis F. B. Plummer, 1933, p. 815 in part, pl. 10, fig. 3; not fig. 3a = *T. plummeri* Stenzel and Turner; Gardner, 1935, p. 285; Bowles, 1939, p. 320; Stenzel and Turner, 1940a, p. 840, pl. 47, fig. 2 lectotype; Stenzel and Turner, [1942], Gastropoda 45, Card No. 73, figs. 2, 3 type

Range.—Paleocene. Rocky Cedar Creek limestone lentil of the Kincaid fm. (type), lower Midway gr.

Locality.—TEXAS: *E. Kaufman Co.*, quarry and creek approximately 1 mi. S. of Ola (type)

Type.—Lectotype, No. 5388 Plummer Coll. BEG

Turritella kincaidensis F. B. Plummer in part
See *Turritella plummeri* Stenzel and Turner

Turritella levicunea Harris **Turritellidae**

Turritella mortoni var. *levicunea* Harris, 1896, p. 110, pl. 11, fig. 9; Brann and Kent, 1960, p. 928

Not *Turritella levicunea* F. B. Plummer, 1933, p. 815, pl. 10, figs. 4, 4a = *T. hilli* Gardner

Turritella levicunea Harris, Bowles, 1939, p. 301; Stenzel and Turner, [1942], Gastropoda 46, Card No. 74, fig. 1, fig. 9 holotype

Range.—Paleocene. Clayton fm., lower Midway gr.; Matthews Ldg. beds (type), uppermost Porters Creek fm., upper Midway gr.

Localities.—ALA.: *Wilcox Co.*, Dale's Branch (type) above and below a waterfall known as the cave, aprox. ½ mi. N. of Oakhill-Rosebud highway, N. ½ sec. 17, T. 11 N., R. 10 E. (Stenzel and Turner); Prairie Cr.; Matthews Ldg., Alabama R., 9 mi. W. of Camden, sec. 12, T. 12 N., R. 6 E.

Type.—Holotype, No. 43 PRI

Turritella levicunea Harris, F. B. Plummer, 1933. Not Harris, 1896
See *Turritella hilli* Gardner

Turritella lineata I. Lea
See *Turritella obruta* Conrad

Turritella lisbonensis Bowles **Turritellidae**

Turritella nasuta Gabb, Palmer, 1937, p. 200 in part, pl. 25, figs. 3, 9 Brann and Kent, 1960, pp. 928 in part, Nos. 2901, 2905. Not Gabb, 1860d, p. 385

Turritella lisbonensis Bowles, 1939, p. 287, pl. 31, figs. 1, 3

Turritella dutexata lisbonensis Bowles, Stenzel and Turner, [1942], Gastropoda 47, Card No. 75, fig. 1 holotype, fig. 3 paratype

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, bluff about 1 mi. S. of Lisbon Bluff, right bank Alabama R. For S.C., Ala., Miss., and Texas see Bowles, 1939, p. 287

Types.—Holotype, No. 498009; paratype No. 497952 USNM

Turritella litripa de Gregorio
See *Turritella ghigna* de Gregorio

Turritella lowei Cooke
See *Turritella perdita jacksonensis* Cooke

Turritella martinensis Dall **Turritellidae**

Turritella indenta var. *martinensis* Dall, 1892, p. 308; Schuchert, *et al.*, 1905, p. 677

Turritella indenta Conrad, McCallie, 1908, p. 357. Not *T. indenta* Conrad, 1841, p. 32 Miocene

Turritella martinensis Dall, Cooke, 1915, p. 111; Bowles, 1939, p. 282, pl. 31, fig. 10 lectotype; Stenzel and Turner, [1942], Gastropoda 49, Card No. 77, fig. 10 lectotype

Range.—Upper Eocene. "Ocala ls." (type), Ocala gr.

Localities.—FLA.: *Hernando Co.*, quarry at Martin Station (type). GA.: *Burke Co.*, 9 mi. E. of Waynesboro; near Rocky Creek Louisville Rd., 5 mi. W. of Waynesboro; *Jefferson Co.*, ? 7.5 mi. SE., 8.4 mi. SE. of Louisville and 6.1 mi. from Louisville on rd. to Sandersville; *Twiggs Co.*, 2 mi. E. of Dry Branch; *Bibb Co.*, Brown's Mt., near Bond's store, 9 mi. S. of Macon

Types.—Lectotype, No. 498390 USNM (original syntypes No. 112589 USNM)

Turritella mcbeanensis Bowles **Turritellidae**

Turritella mcbeanensis Bowles, 1939, p. 319, pl. 32, figs. 17, 20; Stenzel and Turner, 1942, Gastropoda 50, Card No. 78, fig. 17 paratype, fig. 20 holotype

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.
Locality.—S.C.: *Orangeburg Co.*, site of Stroman's Mill, bluff E. of Rocky Swamp on the road from Springfield to Norway, 4 to 5 mi. E. of Springfield (type)
Types.—Holotype, No. 497956; paratype, No. 497957 USNM

Turritella mela de Gregorio
See *Turritella nasuta* Gabb variation

Turritella mingoensis Bowles **Turritellidae**

Turritella sp. ? Cooke, 1936, p. 44 only
Turritella mingoensis Bowles, 1939, p. 319, pl. 32, fig. 10; Stenzel and Turner, [1942], Gastropoda 52, Card No. 80, fig. 10 holotype

Range.—Paleocene. Black Mingo fm. (type), Midway gr.
Locality.—S.C.: *Georgetown Co.*, bend in road from Georgetown to Rhems at the boundary line between Georgetown and Williamsburg Counties, 1.2 mi. S. of Rhems and 3 mi. NW. of Upper Brown's Ferry (type)
Type.—Holotype, No. 497953 USNM

Turritella miroplita de Gregorio
See *Dirocerithium vincta* (Whitfield)

Turritella monilifera H. C. Lea. Not Deshayes, 1833a
See *Turritella ghigna* de Gregorio

Turritella mortoni Conrad **Turritellidae**

Turritella mortoni Conrad, 1830, pp. 213-215, 221, pl. 10, fig. 2; Conrad, App. *in* Morton, 1834, p. 4 in part; Conrad, 1835a, p. 40 in part, not pl. 15, fig. 11 = *T. carinata* I. Lea (Harris reprint, 1893, p. 96, not pl. 15, fig. 11); Conrad, 1846b, p. 219; Tuomey, 1858, p. 267, not pp. 270, 272; Conrad, 1865a, p. 32; Conrad, 1866a, p. 11; not Aldrich, 1886, pp. 9, 13, 46, 55, 58-60 = *T. mortoni postmortoni* Harris; not Smith and Johnson, 1887, p. 59 in part = *T. alabamensis;* de Gregorio, 1890, p. 122 in part, pl. 11, fig. 7 copy Conrad, not pl. 11, figs. 3-6, 9 = *T. carinata* I. Lea; Cossmann, 1893, p. 29; Harris, 1894a, pp. 302, 304, text fig. 3; Clark, 1895, p. 4; Clark, 1896, p. 69, pl. 13, figs. 1a-e; Harris, 1896, p. 110; not Harris, 1899a, p. 74, pl. 10, figs. 3, 4 = *T. mortoni postmortoni;* not Harris, 1899b, pp. 299, 308, pl. 52, fig. 9 = *Turritella* sp., pl. 55, fig. 4 = *T. mortoni postmortoni* Harris; Clark and Martin, 1901, p. 147, pl. 26, figs. 1-4; not Veatch, 1906, pl. 14, figs. 5, 5a = *T. mortoni postmortoni* after Harris, 1899a, pl. 10, figs. 3, 4; Clark and Miller, 1912, pp. 92-100, 102, 119, 120; Guillaume, 1924, pp. 289, 290; Guillaume, 1926, p. 426; not Cooke, 1926a, pp. 259, 261, 264, pl. 94, fig. 2; not Semmes, 1929, fig. 59-2 = *T. mortoni postmortoni;* Palmer, 1937, p. 195, pl. 23, figs. 6, 11; pl. 24, fig. 14 (not 13 as in text); Bowles, 1939, p. 293, pl. 33, fig. 14; Stenzel and Turner, [1942], Gastropoda 55, Card No. 83, fig. 2 type, fig. 14; Shimer and Shrock, 1944, p. 493, pl. 201, figs. 14-17 copy Clark and Martin; Brann and Kent, 1960, p. 927 in part, Nos. 2880, 2883, 2892, 3904 only; Vokes, 1961, p. 49, pl. 10, fig. 1; Toulmin and La Moreaux, 1963, p. 394

Turritella mortoni postmortoni Harris, Clark and Martin, 1901, pl. 26, fig. 5 not *T. mortoni postmortoni* Harris, 1894a

Turritella (Haustator) mortoni Conrad, Cossmann, 1912b, pp. 115, 118

Range.—Paleocene. Aquia fm. (type)

Localities.—MD.: *Prince Georges Co.*, Piscataway (type); 1 mi. E. of Fort Washington; Fort Washington; Piscataway Creek; Upper Marlboro; Tinker Creek near Friendly Post office; *Anne Arundel Co.*, South River, 2½ mi. from Annapolis; *Charles Co.*, Glymont; Potomac R.; E. bank Potomac R., 2/3 mi. above Clifton Beach. VA.: *Stafford Co.*, bluffs on the Potomac R. at mouth of Aquia Creek; Aquia Creek; Potomac R., S. bank, just SE. of mouth of Potomac Creek; W. bank Potomac R. about 2/3 mi. N. of mouth of Potomac Creek; Stafford Courthouse; Fairview Beach, E. of Fredericksburg. GA.: Chattahoochee R. area (see Toulmin and La Moreaux, 1963)

Types.—Possible syntypes (3), No. 15508 ANSP, Moore, 1962, p. 78

Turritella mortoni Conrad, 1835a in part. Not Conrad, 1830
See *Turritella carinata* I. Lea

Turritella mortoni Conrad, Harris, 1899b, Not Conrad, 1830
See *Turritella* sp.

Turritella mortoni Conrad, Smith and Johnson, 1887. Not Conrad, 1830
See *Turritella alabamiensis* Whitfield

Turritella mortoni of authors, Paleocene of Alabama, South Carolina, and Arkansas. Not Conrad, 1830
See *Turritella mortoni mediavia* Bowles

Turritella mortoni Conrad "var." Harris, 1894b
See *Turritella mortoni mediavia* Bowles

Turritella mortoni Conrad "var.", Harris, 1899a Lisbon, Ala.
See *Turritella carinata palmerae* Bowles

Turritella mortoni Conrad var. A. Conrad, 1835a
See *Turritella ghigna* de Gregorio

Turritella mortoni levicunea Harris
See *Turritella levicunea* Harris

Turritella mortoni mediavia Bowles **Turritellidae**

? *Turritella mortoni* Conrad var., Harris, 1894b, p. 48, pl. 3, fig. 5; Brann and Kent, 1960, p. 928 locality incorrect = 1¾ mi. NE. Bradford, Ark. Hypotype, No. 135153 USNM

Turritella mortoni Conrad, ? Harris, 1894b, pp. 47, 48; ? Harris, 1896, pp. 16, 17: McCallie, 1908, p. 335 not p. 235 as in Bowles, 1939; Veatch and Stephenson, 1911, pp. 219, 220; Stephenson and Veatch, 1915, p. 69; Stephenson and Crider, 1916, pp. 48, 49, 51-53; Brantly, 1920, pp. 144, 146 (only); Cooke, 1936, p. 50. Not Conrad, 1830, p. 221

? *Turritella saffordi* Gabb, Harris, 1896, p. 110 in part, pl. 11, fig. 8 *T. mortoni* var. on expl. of pl. Not Gabb, 1860d, p. 392

Turritella mortoni mediavia Bowles, 1939, p. 294, pl. 33, figs. 3, 5; Stenzel and Turner, [1942], Gastropoda 51, Card No. 79, fig. 3 paratype, fig. 5 holotype

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Localities.—ALA.: *Wilcox Co.*, Prairie Creek, about 3 mi. N. of Oakhill (type). GA.: *Clay Co.*, rt. bank Chattahoochee R. near Morris Ldg., about 7 mi. above Ft. Gaines; *Macon Co.*, Flint R. at county bridge, 1 mi. NW. of Montezuma. S.C.: *Sumter Co.*, about 3½ mi. W. of Pinewood (paratype); *Clarendon Co.*, Kingstree Rd. E. of Deep Creek, 5 mi. E. of Manning. ARK.: *Pulaski Co.*, Fourche Cr., near mouth of Crooked Cr.; *White Co.*, ls. quarry by the side of RR., 1¾ mi. N. Bradford; *Jackson Co.*, cut of the St. Louis, Iron Mountain and Southern R.R., ¼ mi. S. of Grandglaise; RR. cut ½ mi. S. of Grandglaise

Types.—Holotype, No. 495146; paratype, No. 495147 USNM

Turritella mortoni postmortoni Harris **Turritellidae**

Turritella mortoni postmortoni Harris, 1894a, pp. 302-304 in part, fig. 1, not fig. 2 = *T. mortoni;* Harris, 1899a, p. 75, pl. 10, fig. 3; Clark and Martin, 1901, pp. 147, 148 in part, not pl. 26, fig. 5 = *T. mortoni;* not Grabau and Shimer, 1909, fig. 1064d = *T. mortoni;* Bowles, 1939, p. 298, pl. 33, fig. 4; Palmer, 1937, p. 188, pl. 23, figs. 8-10; Stenzel and Turner, [1942], Gastropoda 67, Card No. 95, figs. 2, 4; Le Blanc, 1942^{+}, p. 104 in part, pl. 13, fig. 11; Shimer and Shrock, 1944, p. 489 in part, not pl. 201, fig. 17 = *T. mortoni;* Brann and Kent, 1960, p. 928 in part, not No. 3903 = *T. mortoni*

Turritella mortoni Conrad, Aldrich, 1886, in part, pp. 13, 55, 58; not pp. 9, 46, 59, 60; Harris, 1899a, p. 74, pl. 10, fig. 4; Harris, 1899b, p. 308 in part, pl. 55, fig. 4, not pl. 52, fig. 9 = *Turritella* sp.; Veatch, 1906, pl. 14, figs. 5, 5a after Harris, 1899a; Guillaume, 1924, p. 289 in part, not Claiborne; Guillaume, 1926, p. 425; Cooke, 1926a, pp. 259, 261, 264, pl. 94, fig. 2; Semmes, 1929, fig. 59-2

Turritella humerosa Conrad, Trowbridge, 1932, pl. 31, figs. 6, 7 copies Veatch, 1906, after Harris, 1899a, Nos. 270, 271 PRI, not No. 11754 USNM as in Trowbridge

Range.—Lower Eocene. Bells Ldg. mem. (type); Tuscahoma fm., middle Wilcox [Sabine] gr.

Localities.—ALA.: *Monroe Co.*, Bells Ldg., left bank Alabama R., W. of Tinela (type); Greggs Ldg., Alabama R. TEXAS: *Sabine Co.*, Pendleton, Sabine R.

Types.—Lectotype lost, not in PRI as in Bowles, 1939, Le Blanc, 1942, and Stenzel and Turner, [1942]. Fig. 2 not syntype as in Brann and Kent, 1960

Turritella mortoni postmortoni Harris, Clark and Martin, 1901. Harris, 1894a in part, fig. 2 only
See *Turritella mortoni* Conrad

Turritella mortoni turneri F. B. Plummer
See *Turritella turneri* F. B. Plummer

Turritella mortoni turneri F. B. Plummer, Palmer, 1937
See *Turritella turneri* F. B. Plummer
See also *Turritella carinata palmerae* Bowles

Turritella multilira Whitfield **Turritellidae**

Turritella multilira Whitfield, 1865, p. 266; not Aldrich, 1886, p. 59 = *T. aldrichi* Bowles; not Aldrich, 1894b, pp. 237, 239 = *T. aldrichi* Bowles, not *T. bellifera* Aldrich as in Bowles, p. 316; Whitfield, 1899, p. 177; Harris, 1899a, p. 75, pl. 10, fig. 6 as *humerosa* "var."; Bowles, 1939, p. 316, pl. 32, fig. 15 syntype, Whitfield; pl. 34, fig. 19; Stenzel and Turner, [1942], Gastropoda 56, Card, No. 84, fig. 15 syntype, fig. 19; Le Blanc, 1942+, p. 102, pl. 13, fig. 9

Turritella bellifera Aldrich, Aldrich, 1886 in part, p. 58

Not *Turritella humerosa* Conrad var. *multileia* [*sic*] Whitfield, Aldrich, 1894b, p. 246, pl. 13, fig. 3 (= *T. aldrichi* Bowles, not *T. bellifera* Aldrich as in Bowles, 1939, p. 316); not Harris, 1896, p. 111 in part, pl. 11, fig. 10 copy Aldrich, 1894b

Turritella multilirata [*sic*] Whitfield, Whitfield, 1899, p. 177. Not Adams and Reeve 1848, [1850], p. 48

Turritella humerosa Conrad "var.", Cooke, 1926a, pl. 94, fig. 1; Semmes, 1929, fig. 59-1 copy Cooke, 1926a; Brann and Kent, 1960, p. 920 in part No. 272

Range.—Lower Eocene. Nanafalia fm. (type), lower Wilcox [Sabine] gr.

Localities.—ALA.: *Marengo Co.*, "six miles below Prairie Bluff" (Whitfield), presumably one of the bluffs on Alabama R. below mouth of Pursley Creek and above Yellow Bluff Ldg., E. of Yellow Bluff station (type); *Wilcox Co.*, new highway to Camden, 9.7 mi. W. of town of Pineapple; *Pike Co.*, Middle Elba road 8 mi. S. of Troy in SE. ¼ sec. 36, T. 9 N., R. 20 E. Cf. MEXICO: State of *Nuevo Leon*, 275 m. from Rancho Paredita toward Rancho San Agustin

Types.—Syntypes (2), No. UC 24521 CNHM

Turritella multilira Whitfield, Aldrich, 1886. Not Whitfield, 1865
See *Turritella aldrichi* Bowles

Turritella multilirata [*sic*] Whitfield
See *Turritella multilira* Whitfield

Turritella nasuta Gabb **Turritellidae**

Turritella nasuta Gabb, 1860d, p. 385, pl. 67, fig. 42; Conrad, 1865a, p. 32; Conrad, 1866a, p. 11; not de Gregorio, 1890, p. 124; Heilprin, 1891a, p. 400; Dana, 1895, p. 897, fig. 1484; Harris, 1895a, pl. 9, fig. 62; Deussen, 1924, p. 67, pl. 22, fig. 4; Renick and Stenzel, 1931, p. 102, pl. 6, fig. 15; Trowbridge, 1932, pl. 42, fig. 7; F. B. Plummer, 1933, p. 815, pl. 10, figs. 12. 12a; Palmer, 1937, p. 200 in part, pl. 83, fig. 5 type, not pl. 25, figs. 5, 6 = *T. nasuta smithvillensis* Bowles; not pl. 25, figs. 3, 9 = *T. lisbonensis* Bowles; not pl. 25, fig. 10 = *T. nasuta* Gabb var.; not pl. 25, figs. 1, 2, 8 = *T. nasuta felli* Bowles; Bowles, 1939, p. 288, pl. 32, figs. 5, 6; Stenzel and Turner, [1942], Card No. 85, Gastropoda 57, fig. 42 copy Gabb; fig. 5 Meyers drawing type copy Palmer, 1937, pl. 83, fig. 5; figs. 1, 2; not Brann and Kent, 1960, pp. 928, 929; Glibert, 1962b, p. 101

Turritella (Haustator) nasuta Gabb, Cossmann, 1912b, p. 118

Range.—Middle Eocene. Stone City beds (probable type, Stenzel and Turner, 1942), middle Claiborne gr.; Cook Mt. fm. (? type), upper Claiborne gr.; ? Gosport sd., uppermost Claiborne gr.

Localities.—TEXAS: "Caldwell Co." (lectotype, Stenzel and Turner, 1942) = *Burleson Co.*, Stone City Bluff, Brazos R. (see Stenzel, Krause, and Twining, 1957, p. 11). LA.: *Webster Par.*, 2 mi. SE. of Minden. ? ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. For further localities in Texas see Bowles, 1939, p. 289

Types.—Lectotype and 5 paratypes, No. 13293 ANSP

Turritella nasuta Gabb, Palmer, 1937 in part
See *Turritella nasuta* Gabb
See also *Turritella nasuta* Gabb variation
See also *Turritella nasuta felli* Bowles
See also *Turritella nasuta smithvillensis* Bowles
See also *Turritella lisbonensis* Bowles

Turritella nasuta Gabb variation **Turritellidae**

Turritella mela de Gregorio, 1890, p. 127, pl. 11, fig. 40; Cossmann, 1893, p. 29 figure of form suggest *T. nasuta* Gabb *fide* Palmer, 1937, p. 205; not *T. ghigna* de Gregorio, 1890 as in Stenzel and Turner, [1942], Card No. 65

Turritella (Haustator) mela de Gregorio, Cossmann, 1912b, p. 118

Range.—Middle Eocene. Probably Cook Mt. fm., upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. probably base of bluff [not Gosport sd. from examination of *T. mela*]

Type.—Holotype, De Gregorio Coll., No. 26442 PRI

Turritella nasuta Gabb variation **Turritellidae**

Turritella nasuta Gabb, Palmer, 1937, p. 200 in part, pl. 25, fig. 10; Brann and Kent, 1960, p. 929 in part, No. 2906 PRI only

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.

Locality.—TEXAS: *Burleson Co.*, big branch of Cedar Cr., E. of Mr. Pollard's (deceased) farm, 3 mi. NW. of Stone City, probably is Cedar Cr. near Wheelock, *Robertson Co.* (fide Stenzel, 1958, pers. com.)

Type.—Figured specimen, No. 2906 PRI

Turritella nasuta brazita Stenzel and Turner **Turritellidae**

Turritella nasuta brazita Stenzel and Turner, 1940, p. 835, pl. 46, figs. 1, 2; Stenzel and Turner, [1942], Gastropoda 22, Card No. 50, fig. 1 holotype, fig. 2 paratype; Brann and Kent, 1960, p. 929

Range.—Middle Eocene. Wheelock mem. (type), Cook Mt. fm., upper Claiborne gr.

Locality.—TEXAS: *Brazos Co.*, Little Brazos R., upstream from bridge of State highway No. 21, 9.4 mi. W. of Bryan (type)

Types.—Holotype and paratype, Nos. 20974, 20975 BEG; paratype, No. 7174 PRI

Turritella nasuta felli Bowles **Turritellidae**

Turritella nasuta Gabb, Aldrich, 1886, p. 46; de Gregorio, 1890, p. 124; Palmer, 1937, p. 200 in part, pl. 25, figs. 1, 2, 8 only; not pl. 25, figs. 5, 6 = *T. nasuta smithvillensis* Bowles; pl. 25, figs. 3, 9 = *T. lisbonensis;* not pl. 25, fig. 10 = *T. nasuta* Gabb variation; Brann and Kent, 1960, pp. 928, 929 in part Nos. 2899, 2900, 2904 PRI

Turritella nasuta felli Bowles, 1939, p. 290, pl. 32, figs. 4 (?), 8; Stenzel and Turner 1942, Gastropoda 35, Card No. 63, fig. 8 holotype

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.

Localities.—GA.: *Burke Co.*, Sloan's Scarp, McBean Creek. ALA.: *Choctaw Co.*, Okatippa Creek, ½ mi. above crossing, 1½ mi. N. of Barrytown; *Monroe Co.*, Lisbon Bluff, Alabama R. (type)

Type.—Holotype, No. 498005 USNM

Turritella nasuta houstonia Harris
See *Turritella houstonia* Harris

Turritella nasuta smithvillensis Bowles **Turritellidae**

Turritella nasuta Gabb, Palmer, 1937, p. 200 in part, pl. 25, figs. 5, 6 only not pl. 25, figs. 1, 2, 8 = *T. nasuta felli* Bowles; not pl. 25, figs. 3, 9, = *T. lisbonensis* Bowles not pl. 25, fig. 10 = *T. nasuta* variation not pl. 83, fig. 5 = type *T. nasuta;* Brann and Kent, 1960, p. 929 in part Nos. 2902, 2903 PRI only

Turritella nasuta smithvillensis Bowles, 1939, p. 289, pl. 32, figs. 7, 13; Stenzel and Turner, [1942], Gastropoda 74, Card No. 102, fig. 1, fig. 7 holotype, fig. 13 paratype

Range.—Middle Eocene. Viesca mem. (type), Weches fm., middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, bluff on rt. bank Colorado R. upstream from highway bridge, Smithville (type); *Anderson Co.*, NE. of lignite mine on property of Palestine salt works, Palestine

Types.—Holotype, No. 497998; paratype, No. 497999 USNM

Turritella nerinexa Harris **Turritellidae**

Turritella nerinexa Harris, 1895a, p. 82, pl. 9, fig. 9; Harris, 1896, p. 111, pl. 11, fig. 14 type; ? Maury, 1912, p. 94, pl. 12, fig. 25; Gardner, 1935, p. 291

Range.—Paleocene. Kincaid fm. (Gardner), lower Midway gr.; upper Midway gr. (type)

Localities.—TEXAS: *Milam Co.*, Black Bluff, Brazos R. (type) [Milam Bluff of Penrose's Report]; *Caldwell Co.*, 5½ mi. SW. of Lockhart on Martindale farm. ALA.: *Wilcox Co.*, ⅓ mi. NW. of Prairie Bluff

Type.—Holotype, No 35659 BEG

Turritella obruta Conrad **Turritellidae**

Turritella obruta Conrad, 1833c, p. 45 (Harris reprint, 1893, p. 71); Conrad, App. *in* Morton, 1834, p. 4; Conrad, 1835a, p. 40, pl. 15, fig. 12 (Harris reprint, 1893, p. 96, pl. 15, fig. 12); H. C. Lea, 1849, p. 107; d'Orbigny, 1850, p. 342; Tuomey, 1858, pp. 267, 275, not p. 272; Harris, 1895b, p. 31; Stewart, 1927, p. 350 [misspelled *abrupta*];

not *T. obruta* Locard = *T. locardi* Cossmann, 1912b, p. 127; Palmer, 1937, p. 203, pl. 26, figs. 12-14; pl. 82, fig. 11 type; Bowles, 1939, p. 311, pl. 33, fig. 2; Stenzel and Turner, [1942], Gastropoda 58, Card No. 86, figs. 2-4, fig. 11 syntype of Conrad; Brann and Kent, 1960, pp. 929, 930

Turritella lineata I. Lea, 1833, p. 130, pl. 4, fig. 121; H. C. Lea, 1849, p. 107; Harris, 1895b, p. 25 = *T. obruta* Conrad

Mesalia obruta (Conrad), Conrad, 1865a, p. 33; Conrad, 1866a, p. 11; Cossmann, 1893, p. 30; not Clark and Martin, 1901, p. 149, pl. 27, fig. 4 = *Turritella* spp.; Cossmann, 1912b, p. 127

Turritella vittata abruta [*sic*], de Gregorio, 1890, p. 124 in part, pl. 11, fig. 11 copy *T. lineata* I. Lea, fig. 25 copy *T. abruta* Conrad

Not *Turritella (Mesalia) obruta* Conrad, Heilprin, 1891a, p. 400

Sigmesalia obruta (Conrad), Glibert, 1962b, p. 80

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, left bank Alabama R. (type)

Types.—Lectotype (+ 5 specimens), No. 30543 ANSP Moore, 1962, p. 81. Lectotype *T. lineata* I. Lea, No. 5668 ANSP

Turritella ola F. B. Plummer **Turritellidae**

Turritella ola F. B. Plummer, 1933, p. 815, pl. 10, fig. 2; Gardner, 1935, p. 291; Bowles, 1939, p. 320; Stenzel and Turner, 1940, p. 834, pl. 46, fig. 3; Stenzel and Turner, [1942], Gastropoda 59, Card No. 87, figs. 2, 3 holotype

Range.—Paleocene. Rocky Cedar Creek ls. lentil (type), Kincaid fm., lower Midway gr.

Locality.—TEXAS: E. *Kaufman Co.*, quarry and creek approximately 1 mi. S. of Ola (type)

Type.—Holotype, No. P 5387, Plummer Coll., BEG

Turritella perdita Conrad **Turritellidae**

Turritella perdita Conrad, 1865b, p. 141, pl. 10, fig. 10; Conrad, 1866a, p. 11; Bowles, 1939, p. 307 in part, not fig. 11 = *T. jacksonensis;* Stenzel and Turner, [1942] Gastropoda 62, Card No. 90, figs. 1-3, 10; Harris and Palmer, 1947, p. 292, pl. 37, figs. 1-3, 6, 8-11; Brann and Kent, 1960, pp. 930, 931

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Clarke Co.*, Garland Cr., bluff on S. bank of creek, 0.2 mi. E. of bridge and about 3.5 mi. NE. Shubuta (airline distance), NE. corner sec. 28, T. 1 N., R. 16 E. (type); float 2-3 mi. below old bridge side, Garland Cr.; about 4 mi. NE. of Shubuta, Garland Cr.; ½-1 mi. below bridge site, Garland Cr.; 1-2 mi. above bridge site, Garland Cr.; *Hinds Co.*, Jackson, Moodys Branch. LA.: *Grant Par.*, Montgomery Ldg., Red R. ½ mi. below ferry and in upper bed; ? *Rapides Par.*, 6 mi. SW. of Boyce, depth 1535-2766 ft.

Types.—Lectotype (+ 2 paralectotypes), No. 13233 ANSP Moore, 1962, p. 85

Turritella perdita jacksonensis Cooke **Turritellidae**

Turritella jacksonensis Cooke, 1926b, p. 136, fig. 8
Turritella lowei Cooke, 1926b, p. 136, fig. 9
Turritella perdita Conrad, Bowles, 1939, p. 307 in part, pl. 32, fig. 11
Turritella perdita lowei Cooke, Stenzel and Turner [1942] Gastropoda 48, Card No. 76, figs. 1, 9 copy Cooke, 1926
Turritella perdita jacksonensis Cooke, Stenzel and Turner, [1942], Gastropoda 44, Card No. 72, figs. 1, 11, fig. 8 holotype; Harris and Palmer, 1947, p. 294, pl. 37, figs. 4, 5, 7 fig. 12 (copy Cooke); Brann and Kent, 1960, p. 931

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; lower Yazoo cl., upper Jackson gr.
Localities.—MISS.: *Hinds Co.*, Moodys Branch, cliff on rt. bank of branch, near intersection of Peachtree St. and Poplar Blvd. in N. part of Jackson (type); Town Creek, Jackson; *Clarke Co.*, bluff on Garland Creek about 100 feet below the bridge on the road to Quitman, about 5 mi. NE. of Shubuta. LA.: *Grant Par.*, upper bed, and ½ mi. below ferry, Montgomery Ldg., Red R.; *Caldwell Par.*, Bunker Hill, Ouachita R.
Types.—Holotype, No. 353944 USNM. Holotype, *T. lowei*, No. 353945 USNM

Turritella plebia Say, Owen, 1860
See *Turritella arenicola* Conrad

Turritella pleboides (Vaughan) **Turritellidae**

Turritella pleboides Vaughan, 1895, p. 213 *nomen nudum* Bowles, 1939, p. 311, pl. 33, fig. 7 lectotype; Stenzel and Turner, [1942], Gastropoda 64, Card No. 92, figs. 4-6, copies Vaughan, fig. 7 lectotype
Mesalia pleboides Vaughan, 1896, pp. 36, 44, pl. 3, figs. 4-6; Schuchert, *et al.*, 1905, p. 401; Palmer, 1937, p. 208, pl. 27, figs. 5, 11, 12; Brann and Kent, 1960, pp. 549, 550

Range.—Middle Eocene. Cook Mt. fm. (type), upper Claiborne gr.
Localities.—LA.: *Bienville Par.*, Hammetts Branch, 2 mi. NE. Mt. Lebanon, SW. ¼ sec. 30, T. 18 N., R. 6 W. (type); "Holston's well", 5 mi. SE. of Gibbs land; bluff on Hammett's Branch; Hammett's Branch, 2 mi. E. of Mt. Lebanon; Hammett's Branch, SW. ¼ sec. 30, T. 18 N., R. 6 W.; *Claiborne Par.*, secs. 1, 2, 11, 12, T. 19 N., R. 6 W. See Bowles, 1939, p. 312 for complete localities.
Types.—Lectotype, No. 495175; paralectotypes, No. 147040 USNM. Selected by Bowles, 1939 from syntypes.

Turritella plummeri Stenzel and Turner **Turritellidae**

Turritella kincaidensis F. B. Plummer, 1933, p. 815 in part, pl. 10, fig. 3a, not fig. 3; Gardner, 1935, p. 285 in part; Bowles, 1939, p. 320
Turritella plummeri Stenzel and Turner, 1940, p. 839, pl. 47, fig. 1; Stenzel and Turner, [1942], Gastropoda 65, Card No. 93, fig. 1 holotype

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.
Locality.—TEXAS.: *Bastrop Co.*, ¼ mi. S. of mouth of Dry Creek on right bank of Colorado R. and approximately 1¼ mi. below Bastrop-Travis Co. line (type)
Type.—Holotype, No. 9072, Plummer Coll, BEG

Turritella polysticha Stenzel and Turner **Turritellidae**

Turritella turneri F. B. Plummer, 1933, p. 583
Turritella cf. *T. abrupta* [*sic*] Conrad, F. B. Plummer, 1933, p. 815, pl. 10, fig. 6. Not *T. robusta abrupta* Spieker, 1922, p. 85
Turritella polysticha Stenzel and Turner, 1940, p. 837, pl. 47, fig. 11; Stenzel and Turner, [1942], Gastropoda 66, Card No. 94, fig. 11 syntypes

Range.—Lower Eocene. Seguin fm. (type), lower Wilcox [Sabine] gr.
Locality.—TEXAS: *Bastrop Co.*, Solomon's Branch in bank of creek 100 yards W. of road, 6 mi. SW. of Elgin (type)
Types.—Syntypes, missing BEG, 1964

Turritella potomacensis Clark and Martin **Turritellidae**

Turritella potomacensis Clark and Martin, 1901, p. 149, pl. 27, figs. 2, 3; Clark and Miller, 1912, pp. 104, 106, 107, 119, 120; Bowles, 1939, p. 310; Stenzel and Turner, [1942], Gastropoda 68, Card No. 96, figs. 2, 3 syntypes

Range.—Lower Eocene. Woodstock glauconite ml. mem. (type), Nanjemoy fm.
Localities.—MD.: *Charles Co.*, base of bluff on left bank Potomac R., 1 mi. below Popes Creek (type). VA.: *King George Co.*, Woodstock
Types.—Syntypes (2), USNM

Turritella praecincta Conrad **Turritellidae**

Turritella praecincta Conrad, 1864, p. 211; Conrad, 1865a, p. 32; Conrad, 1866a, p. 11; Harris, 1897b, pp. 24, 29, 31 lists; Harris, 1899a, p. 76 in part, pl. 10, fig. 8; Harris, 1899b, p. 308, pl. 55, fig. 6 copy Harris; Guillaume, 1924, p. 290; Guillaume, 1926, p. 425; Cooke, 1926a, pl. 94, fig. 3; Semmes, 1929, fig. 59-3; Bowles, 1939, p. 318, pl. 33, fig. 11; Stenzel and Turner, [1942], Gastropoda 69, Card No. 97, figs. 1, 11; Le Blanc, 1942^{+}, p. 103, pl. 13, fig. 10; Wasem and Wilbert, 1943, pp. 188, 189, 193, pl. 31, fig. 7; Brann and Kent, 1960, p. 933

Range.—Lower Eocene. Tuscahoma fm., middle Wilcox [Sabine] gr. (type ?)
Localities.—ALA.: "*Dallas Co.* ?" (type Conrad, 1864); *Monroe Co.*, Bells Ldg., Alabama R.; Greggs Ldg., Alabama R. For further localities in Ala. see Bowles, 1939, p. 319
Type.—Holotype unknown. See Moore, 1962, p. 89

Turritella praecincta Conrad variation **Turritellidae**

Turritella praecincta Conrad, Harris, 1899a, p. 76 in part. Paleocene only.

Range.—Paleocene. Aquia fm.
Locality.—VA.: *Stafford Co.*, Aquia Cr.
Type.—Unfigured specimen, presumably lost

Turritella propeperdita de Gregorio, 1890, p. 125, pl. 11, fig. 12 "If this specimen came from Claiborne it is probably *T. obruta* or related to it" *fide* Palmer, 1937, p. 205

Turritella pumila Gabb
See *Mesalia pumila* (Gabb)

Turritella rina Palmer **Turritellidae**

Turritella mortoni Conrad, Tuomey, 1848, p. 159. Not Conrad, 1830, p. 213

Turritella carinata I. Lea, Aldrich, 1886, in part, p. 46

Turritella carinata var. *praecarinata* Harris, Cooke, 1936, p. 63 *nomen nudum.* Not *Turritella praecarinata* Douvillé, 1904, pp. 335, 336

Turritella rina Palmer, 1937, p. 192, pl. 22, figs. 3, 4, 9; Bowles, 1939, p. 277, pl. 31, fig. 17; Stenzel and Turner [1942], Gastropoda 70, Card No. 98, figs. 3, 4 paratypes, fig. 9 holotype, fig. 17; Palmer, 1944, in part p. 17, pl. 1, figs. 12-16; Harris and Palmer, 1947, p. 296; Brann and Kent, 1960, pp. 933, 934; Glibert, 1962b, p. 99

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.] (type), upper Claiborne gr.; McBean fm., upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, base of Claiborne Bluff, left bank, Alabama R. (type); Lisbon Bluff, Alabama R. S.C.: *Orangeburg Co.*, about 6 mi. WNW. of Orangeburg. MISS.: *Newton Co.*, Indian Mound, 3 mi. E. of Newton; Hickory; 2 mi. NE. of Newton on route 15. LA.: *Winn Par.*, St. Maurice; *Ouachita Par.*, Lapiniere Ldg., E. bank Ouachita R. TEXAS: *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Types.—Holotype, No. 2874; paratypes, Nos. 2868, 2869 PRI

Turritella rina Palmer, Palmer, 1944 in part. Not Palmer, 1937
See *Turritella rina wechesensis* Bowles

Turritella rina carolina Palmer **Turritellidae**

Turritella rina carolina Palmer, 1937, p. 194, pl. 22, fig. 6; Bowles, 1939, p. 280; Stenzel and Turner, [1942] Gastropoda 25, Card No. 53, fig. 6 holotype; Harris and Palmer, 1947, p. 296; Brann and Kent, 1960, p. 934

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg (type)

Type.—Holotype No. 2872 PRI

Turritella rina sabrina Palmer **Turritellidae**

Turritella eurynome Whitfield, Aldrich, 1894b, p. 233 (not p. 237). Not Whitfield, 1865, p. 266

Turritella rina sabrina Palmer, 1937, p. 194, pl. 22, figs. 1, 2, 5, 7, 8, 10, 11; Bowles, 1939, p. 279, pl. 31, fig. 16; Stenzel and Turner [1942] Gastropoda 75, Card No. 103, figs. 1, 2, 5, 7, 8, 10, 11 syntypes; Harris and Palmer, 1947, p. 296; Brann and Kent, 1960, pp. 934, 935; Glibert, 1962b, p. 99

Range.—Middle Eocene. McBean fm., upper Claiborne gr.; Cook Mt. fm. [uper Lisbon fm.] (type), upper Claiborne gr.

Localities.—ALA.: *Monroe Co.*, bluff about 1 mi. S. of Lisbon Ldg., rt. bank Alabama R. (syntype) base Claiborne Bluff left bank, Alabama R. (syntype); *Clarke Co.*, Coffeeville cliff, Tombigbee R. MISS.: *Newton Co.*, Hickory; *Clarke Co.*, Wautubbee. TEXAS: *Sabine Co.*, Sabine R. opposite middle line of SE. ¼ sec. 35, T. 5 N, R. 13 W., Sabine Par., La. Outcrop No. 22 (Veatch 1902. p. 129). TEXAS: *Houston Co.*, Alabama Crossing, Trinity R., 10 mi. W. of Porter's Springs; *Leon Co.*, Two-mile Creek, 1st ford above Two-mile Negro Church, 3 to 4 mi. S. of Middleton. S.C.: *Orangeburg Co.*, about 3 mi. WNW. of Orangeburg; about 6 mi. WNW. of Orangeburg; Caw Caw Swamp, 2 mi. W. of Orangeburg Courthouse

Types.—Syntypes, Nos. 2866, 2867, 2870, 2871, 2873, 2875 PRI

Turritella rina wechesensis Bowles **Turritellidae**

Turritella wechesensis Bowles, 1939, p. 281, pl. 31, figs. 8, 14; Stenzel and Turner [1942] Gastropoda 80, Card No. 108, fig. 8 paratype, fig. 14 holotype

Turritella rina Palmer, Palmer, 1944, p. 17 in part

Turritella rina wechesensis Bowles, Harris and Palmer, 1947, p. 296

Not *Turritella* cf. *wechesensis* Bowles, Sutton, 1946, p. 1661; Brann and Kent, 1960, p. 941

Range.—Middle Eocene. Weches fm. (type), middle Claiborne gr.

Localities.—TEXAS: *Houston Co.*, water well at Percilla (type); *Robertson Co.*, Taylor's Well, 6 mi. NW. of Wheelock; *Bastrop Co.*, Smithville, Colorado R.

Types.—Holotype, No. 497958; juvenile paratype, No. 497959 USNM

Turritella rivurbana Cooke **Turritellidae**

Turritella rivurbana Cooke, 1926b, p. 136, fig. 10; Bowles, 1939, p. 283; Stenzel and Turner [1942] Gastropoda 71, Card No. 99, fig. 10 holotype; Harris and Palmer, 1947, p. 295, pl. 38, figs. 6, 7, 9, fig. 8 copy, Cooke; Brann and Kent, 1960, p. 935

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.; lower Yazoo cl., upper Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Creek 200 yds. S. of intersection of Rankin and South State Street, Jackson (type); about 1 mi. SW. of City Water works, Jackson; *Yazoo Co.*, 10 mi. N. of Yazoo City, 2 mi. S. of Eden; 10 mi. NE. of Yazoo City. For complete localities in *Yazoo Co.* see Bowles, 1939, p. 284

Type.—Holotype, No. 353946 USNM

Turritella saffordi Gabb **Turritellidae**

Turritella saffordi Gabb, 1860d, p. 392, pl. 68, fig. 12; Harris, 1896, p. 109 in part, pl. 11, fig. 7 type; not fig. 8 = *T. mortoni mediavia* Bowles; Lowe, 1933, p. 9; not F. B. Plummer, 1933, pp. 547, 815, pl. 10, fig. 1 = *Turritella* sp.; Gardner, 1935, p. 283; Bowles, 1939, p. 309, pl. 33, figs. 1, 8

Not *Turritella saffordii* Gabb, 1864, p. 135, pl. 21, fig. 93; Gabb, 1866, p. 89 = California

[Not *Turritella saffordii* Gabb] Gabb, 1869, p. 228; White, 1885, p. 28 = *Turritella pachecoensis* Stanton, 1896, p. 1043; Watts, 1894, p. 62 = ? *Turritella andersoni* Dickerson, 1916, p. 501

Turritella mortoni Conrad, Lowe, 1933, p. 10 in part (stations 5586 and 5592 only)

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Localities.—TENN.: SE. *Hardeman Co.* (type), near Middleton in vicinity of Memphis and Charleston R.R. either to both sides of R.R. near Muddy Creek or in a small cut on R.R. about 2 mi. E. of Middleton or about 2 mi. E. or SE. of Middleton on a branch of Cypress Creek near old stage road; mile post 481 E.

of Middleton. MISS.: *Tippah Co.*, ravine just N. of the Booneville rd., 3 mi. NE. or NW. of Ripley bluff, on Owl Creek Bowles, 1939, pp. 309, 310; 3 mi. NE. of Ripley on land of William Hill

Type.—Unknown. Type in Safford Coll. seen by Harris, 1896

Turritella saffordi Gabb, Harris, 1896
See *Turritella saffordi* Gabb
See also *Turritella mortoni mediavia* Bowles

Turritella saffordi Gabb, F. B. Plummer, 1933. Not Gabb, 1860
See *Turritella* sp.

Turritella subtilis Kellum **Turritellidae**

Turritella subtilis Kellum, 1926, p. 27, pl. 5, fig. 5; not Stephenson, 1927, p. 21 = *T. kellumi* Stephenson, 1939, p. 99; Bowles, 1939, p. 283; Stenzel and Turner, [1942], Gastropoda 76, Card No. 104, fig. 5 holotype

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr.

Locality.—NC.: *New Hanover Co.*, city rock quarry near Smith Creek, E. side of Wilmington (type)

Type.—Holotype, No. 353240 USNM

Turritella tennesseensis Gabb **Turritellidae**

Turritella tennesseensis Gabb, 1860d, p. 392, pl. 68, fig. 13; Harris, 1896, p. 108, pl. 11, fig. 5; Aldrich, 1921, p. 25; Bowles, 1939, p. 284, pl. 32, fig. 12; Stenzel and Turner, [1942], Gastropoda 77, Card No. 105, fig. 5 syntype after Harris; Brann and Kent, 1960, p. 938
Turritella sp., Lowe, 1933, p. 9
Turritella mortoni Conrad, Lowe, 1933, p. 10 in part, stations 6496 and 6497 only

Range.—Paleocene. Clayton fm. (type), lower Midway gr.

Localities.—TENN.: *Hardeman Co.*, "marls of Ripley Group" (Gabb, type) = small cut on Memphis and Charleston R.R., 2 mi. E. of Middleton; 2 mi. S. of Middleton; 200 ft. E. of milepost 481; 1½ mi. E. of Middleton; R.R. cut 2 mi. E. of Middleton; 2 mi. S. of Middleton. MISS.: *Tippah Co.*, ravine just N. of Booneville rd., 3 mi. NE. of Ripley; bluff on small stream about 1½ mi. S. of Ripley; bluff on S. side of Owl Cr., 2¾ mi. NE. of Ripley and about ¼ mi. E. of Ripley-Troy rd. GA.: *Clay Co.*, Chattahoochee R.

Type.—Unknown. Type in Safford Coll., seen by Harris, 1896

Turritella mut. *tiga* de Gregorio
See *Turritella carinata* I. Lea

Turritella turneri F. B. Plummer **Turritellidae**

Turritella sp., F. B. Plummer, 1933, p. 625
Turritella turneri F. B. Plummer, 1933, p. 815, pl. 10, figs. 10, 10a, not p. 583 = *T. polysticha* Stenzel and Turner
Turritella mortoni turneri Plummer, Palmer, 1937, p. 195 in part, pl. 23, figs. 4, 5 only; not Brann and Kent, 1960, p. 928 = *T. carinata palmerae*
Turritella dumblei turneri F. B. Plummer, Bowles, 1939, p. 304

Turritella turneri F. B. Plummer, Stenzel and Turner, 1940, p. 836, pl. 47, figs. 16, 17; Stenzel and Turner [1942] Gastropoda 78, Card No. 106, figs. 10, 10a, 16, 17 syntypes

Range.—Middle Eocene. Marquez shale mem. (type), Reklaw fm., lower Claiborne gr.

Locality.—TEXAS: *Caldwell Co.*, old copper prospect 4½ mi. NE. of Harwood, Alsabrook place, Pullen survey (type)

Types.—Syntypes, No. P 5419 Plummer Coll., BEG

Turritella turneri n. sp. F. B. Plummer, 1933, p. 583 *nomen nudum*. Not Plummer, 1933, pp. 625, 815, pl. 10, figs. 10, 10a = *T. polysticha* Stenzel and Turner

Turritella vaughani Bowles **Turritellidae**

Turritella sp. Cooke, 1936, p. 64 in part

Turritella vaughani Bowles, 1939, p. 282, pl. 32, fig. 14; Stenzel and Turner, [1942], Gastropoda 79, Card No. 107, fig. 14 holotype

Range.—Middle Eocene. McBean fm. (type), upper Claiborne gr.

Locality.—S.C.: *Orangeburg Co.*, Pooser's Hill, 5.1 mi. N. of Orangeburg courthouse on Orangeburg-Columbia rd. (type)

Type.—Holotype, No. 497955 USNM; not No. 497935 as in Stenzel and Turner, [1942]

Turritella (Mesalia) venusta [*sic*] Conrad, Heilprin, 1891a. Not *Melania vetusta* Conrad, 1833b
See *Mesalia* sp.

Turritella vetusta (Conrad)
See *Mesalia vetusta* (Conrad)

Turritella vetusta (Conrad), Vaughan, 1895. Not *Melania vetusta* Conrad, 1833b, p. 35
See *Mesalia claibornensis* Harris

Turritella vittata var. *abruta* [*sic*] de Gregorio, 1890 in part
See *Turritella obruta* Conrad
See also *Mesalia* ? sp.
See also *Mesalia alabamiensis* (Whitfield)
See also *Mesalia alabamiensis tetradeiras* Stenzel and Turner

Turritella vittata miga de Gregorio, 1890, p. 124, pl. 11, fig. 16 (single whorl), Gosport sd. (type), Claiborne Bluff, Alabama R. Type lost; Palmer, 1937, p. 205

Turritella wechesensis Bowles
See *Turritella rina wechesensis* Bowles

Turritella wilcoxiana Aldrich
See *Mesalia allentonensis* (Aldrich)

Turritella n. sp. Aldrich, 1885c, p. 302 base of Claiborne Bluff, Ala., p. 303 Lisbon Bluff; Smith, 1886, p. 9
This species was never described by Aldrich. It might be *T. rina* Palmer, 1937 or *T. rina sabrina* Palmer, 1937

Turritella ? sp. **Turritellidae**

Mesalia obruta (Conrad), Clark and Martin, 1901, p. 149 in part, pl. 27, fig. 4

Range.—Lower Eocene. Nanjemoy fm.
Localities.—VA.: *King George Co.*, Woodstock. MD.: *Charles Co.*, Popes Creek
Type.—Figured specimen, USNM

Turritella ? sp. **Turritellidae**

Mesalia obruta (Conrad), Clark and Martin, 1901, p. 149 in part
Cf. *Turritella vetusta* (Conrad), Conrad 1835b, p. 336. Not Conrad, 1835a, p. 40, pl. 15, fig. 13 = *Mesalia vetusta* (Conrad)

Range.—Paleocene. Aquia fm.
Localities.—MD.: *Prince Georges Co.*, Upper Marlboro; *Ann Arundel Co.*, Sheckels Farm near South R.
Type.—Unfigured specimen missing JHU, 1964

Turritella sp. **Turritellidae**

Turritella dumblei Harris, Kennedy, 1895, in part, pp. 123, 124 only; Palmer, 1937, p. 202 in part, pl. 26, fig. 10 only; Bowles, 1939, p. 303 in part

Range.—Middle Eocene. Cook Mt. fm., upper Claiborne gr.
Localities.—TEXAS: *Burleson Co.*, 9.8 mi. from main corner Bryon on highway 21, 50 feet to 300 feet upstream from highway crossing; *Robertson Co.*, Montgomery's well, ½ mi. E. of Wheelock; Campbell Cr.; Cedar Cr., Wheelock League; *Atascosa Co.*, 1 mi. E. of Jourdanton on Pleasanton rd.; ¼ mi. NW. of Jourdanton; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; well at College Sta.
Type.—Figured specimen, missing BEG, 1964

Turritella sp. **Turritellidae**

Turritella sp. cf. *T. humerosa* Conrad, Gardner, 1935, p. 288 in part, pl. 25, figs. 1, 10, not fig. 2 = *T. biboraensis* Gardner, 1935 *fide* Bowles, 1939, p. 313

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Maverick Co.*, USGS sta. 11754, 6 mi. below McFarland sheep pens and 2.7 mi. SE. of Eagle Pass on Windmill (Jacal) ranch road.
Type.—Figured specimens, not found USNM, 1964

Turritella sp. **Turritellidae**

Turritella sp. cf. *T. humerosa* Conrad, Gardner, 1935, p. 290

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Kaufman Co.*, Water Hill, 5 mi. NE. of Kemp
Type.—Unfigured specimen, presumably USNM

Turritella sp. **Turritellidae**

Turritella sp. cf. *T. humerosa* Conrad, Trowbridge, 1932, p. 35, pl. 38, fig. 8

Range.—Lower Eocene. Indio fm., upper Wilcox [Sabine] gr.
Locality.—TEXAS: *Maverick Co.*
Type.—Figured specimen, No. 371779 USNM

Turritella sp. **Turritellidae**

Turritella humerosa Conrad "var.", Harris, 1896, p. 110 in part, pl. 11, fig. 13 only; Brann and Kent, 1960, p. 921

Range.—Paleocene. Presumably Midway gr.

Locality.—TEXAS: *Limestone Co.*, Horn hill [*sic*]

Type.—Figured specimen, lost prior to 1937

Turritella sp. **Turritellidae**

Turritella saffordi Gabb, F. B. Plummer, 1933, p. 815, pl. 10, fig. 1; Gardner, 1935, p. 283; Bowles, 1939, pp. 309, 310. Not *T. saffordi* Gabb, 1860d

Range.—Paleocene. Kincaid fm., lower Midway gr.

Locality.—TEXAS: *Kaufman Co.*, quarry south of Ola

Type.—Figured specimen, missing BEG, 1964

Turritella sp. **Turritellidae**

Turritella mortoni Conrad, Harris, 1899b, p. 299, pl. 52, fig. 9

Range.—Lower Eocene. Marthaville fm., lower Wilcox [Sabine] gr.

Locality.—LA.: *Natchitoches Par.*, Raines' place near Rocky Spring church, about six miles WSW. of Marthaville

Type.—Lost PRI prior to 1937

Turritella sp. **Turritellidae**

Turritella mortoni Conrad "var.", F. B. Plummer, 1933, p. 815, pl. 10, fig. 8

Range.—Lower Eocene. Sabinetown fm., upper Wilcox [Sabine] gr.

Locality.—TEXAS: *Sabine Co.*, Pendleton Bluff, Sabine R.

Type.—Figured specimen missing BEG, 1964

Turritella sp. **Turritellidae**

Turritella sp. Kellum, 1926, p. 27, pl. 5, fig. 6

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.

Locality.—N.C.: *Pender Co.*, old Rocky Point

Type.—Figured specimen No. 353232 USNM

Turritella sp. **Turritellidae**

Turritella sp. Le Blanc, 1942+, p. 101, pl. 13, fig. 7

Range.—Paleocene. Upper Midway gr.

Locality.—LA.: *Natchitoches Par.*, road cut in NW. ¼ SE. ¼ sec. 33, T. 10 N., R. 10 W., along dirt road leading W. from La. Highway 404; *De Soto Par.*, SW. ¼ NE. ¼ sec. 13, T. 10 N., R. 11 W. rd N. from La. Highway 180

Type.—Figured specimen No. 3423 LSU Pal. Mus.

Turritella sp. **Turritellidae**
Turritella sp. Weller, 1907, [no p.], pl. 78, fig. 9 fragment

Range.—Lower Eocene. Manasquan fm.
Locality.—N.J.: *Monmouth Co.*, Farmingdale
Type.—Figured specimen unknown

Turritella sp. Cooke, 1936
See *Turritella mingoensis* Bowles
See also *Turritella vaughani* Bowles

Turritella sp. F. B. Plummer, 1933, p. 625
See *Turritella turneri* F. B. Plummer

Turritella sp. F. B. Plummer, 1933, p. 815
See *Turritella eurynome* Whitfield

Turritella spp. **Turritellidae**
Turritella spp. Gardner, 1935, p. 284

Range.—Paleocene. Kincaid fm., lower Midway gr.
Localities.—TEXAS: See Gardner, 1935, pp. 284, 285 for numerous localities
Type.—Unfigured specimens presumably USNM

Turritella spp. **Turritellidae**
Turritella spp. Richards, 1950, p. 15

Range.—Middle Eocene. ? Upper Claiborne gr.
Locality.—N.C.: *Johnston Co.*, 3 mi. W. of Clayton
Types.—Unfigured specimens, ANSP

Typhina dentatus (Johnson)
See *Typhis (Typhina) dentatus* Johnson

Typhis alternata I. Lea
See *Laevityphis (Laevityphus) alternata* (I. Lea)

Typhis (Typhina) dentatus Johnson **Muricidae**
Typhis dentatus Johnson, 1899, p. 76, pl. 1, fig. 13
Typhis (Typhina) dentatus Johnson, Keen, 1944, pp. 55, 64; Harris and Palmer, 1947, p. 344, pl. 45, fig. 25 copy Johnson

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.
Locality.—MISS.: *Hinds Co.*, Jackson (type)
Type.—Holotype, No. 7049 ANSP

Typhis gracilis Conrad
See *Laevityphis (Laevityphis) gracilis* (Conrad)

Ulfa chavani Palmer
See *Pyramidella (Ulfa) chavani* Palmer
See also *Pyramidella (Ulfa) lapinaria* Palmer and Brann

Ulfa cossmanni Dall and Bartsch
See *Pyramidella (Ulfa) cossmanni* Dall and Bartsch

Ulfa lapinaria Palmer and Brann
See *Pyramidella (Ulfa) lapinaria* Palmer and Brann

Umbonium angularis (Meyer)
See *Teinostoma angulare* Meyer

Umbonium nanum (I. Lea), Miocene
See *Rotella nana* I. Lea

Umbraculum (Eosinica) elevatum Aldrich
See *Eosinica elevata* (Aldrich)

Umbraculum planulatum (Conrad) **Umbraculidae**

Umbrella planulata Conrad *in* Wailes, 1854, p. 289, pl. 14, figs. 1a, 1b (reprint, 1939, p. 19, pl. 1, figs. 1a, 1b); Conrad, 1856a, p. 259 (reprint, 1939, p. 5); Vaughan, 1896, p. 50; Veatch, 1906, pl. 20, figs. 1, 1a copies Conrad, 1854

Operculatum planulatum (Conrad), Conrad, 1865a, p. 35 as *planutatum* [*sic*]; Conrad, 1866a, pp. 24, 37

? *Umbrella planulata* Conrad, Aldrich, 1887, p. 82

Umbraculum planulatum (Conrad), Tryon and Pilsbry, 1896, p. 177; Harris and Palmer, 1947, p. 461, pl. 64, figs. 17, 18; Brann and Kent, 1960, p. 943

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R. upper bed, ½ mi. below ferry. ? TEXAS: *Anderson Co.*, near Palestine (Aldrich, 1887) [Claiborne gr.]

Type.—Lectotype, No. 13191 ANSP Moore, 1962, p. 87

Umbraculum sylvaerupis (Harris) **Umbraculidae**

Umbrella sylvaerupis Harris, 1899a, p. 10, pl. 1, figs. 17, 17a, 17b; Brann and Kent, 1960, p. 943

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Type.—Holotype, No. 306 PRI

Umbraculum sp. **Umbraculidae**

Umbraculum sp. Aldrich, 1895b, p. 7, pl. 1, figs. 14, 14a

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.

Type.—Figured specimen not in USNM, 1964

Umbrella planulata Conrad
See *Umbraculum planulatum* (Conrad)

Umbrella sylvaerupis Harris
See *Umbraculum sylvaerupis* (Harris)

Unitas pearlensis (Meyer and Aldrihch) **Cancellariidae**

Cancellaria pearlensis Meyer and Aldrich *in* Meyer, 1887a, p. 7, pl. 1, fig. 4
Uxia pearlensis (Meyer and Aldrich), Cossmann, 1893, p. 42
Unitas pearlensis (Meyer and Aldrich), Harris and Palmer, 1947, p. 414, pl. 63, fig. 4 copy Meyer

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—MISS.: *Hinds Co.*, Jackson (type)

Type.—Holotype, No. 638875 USNM

Uromitra brazosana Palmer and Brann, new name **Mitridae**

Mitra exile Gabb, 1860d, p. 383, pl. 67, fig. 23. Not *Mitra exilis* Reeve, 1845, vol. 20, pl. 37, No. 313 not Proc. Zool. Soc. as in Reeve
Mitra (Callithea) exile (Gabb), Conrad, 1865a, p. 25; Conrad, 1866a, p. 16
Fusimitra exilis (Gabb), Heilprin, 1891a, p. 396
Vexillum (Uromitra) exile (Gabb), Palmer, 1937, p. 403, pl. 66, figs. 2, 3; pl. 89, fig. 9 type; Brann and Kent, 1960, p. 974; Glibert, 1960a, p. 32

Range.—Middle Eocene. Weches fm., middle Claiborne gr.; Stone City beds, middle Claiborne gr. or Cook Mt. fm., upper Claiborne gr. Either horizon type, locality of lectotype not differentiated.

Localities.—TEXAS: "Wheelock" (Gabb, type) = *Robertson Co.* Cedar Cr., near Wheelock or "Caldwell Co." (Gabb, type) = *Burleson Co.*, Stone City Bluff, Brazos R. (*fide* Stenzel, Krause, and Twining, 1957, p. 11); *Bastrop Co.*, Smithville, Colorado R.; *Brazos Co.*, Little Brazos R., 2½ mi. above Stone City; *Sabine Co.*, Sabine R. opposite SW. corner SE. ¼ sec. 35, T. 5 N., R. 13 W., Sabine Par., La., Outcrop 21 (Veatch, 1902, p. 129)

Type.—Lectotype, No. 13272 ANSP

Uromitra gracilis (H. C. Lea) **Mitridae**

Mitra gracilis H. C. Lea, 1841, p. 101, pl. 1, fig. 20; H. C. Lea, 1849, p. 101; de Gregorio, 1890, p. 75, pl. 5, fig. 64 copy H. C. Lea; Harris, 1895b, p. 21. Not Reeve, 1844, vol. 2, sp. 31, pl. 5
Turricula cincta Meyer, 1886b, p. 74, pl. 1, fig. 13. Not *Mitra cincta* A. Roualt, 1850, p. 498; not *Uromitra cincta* Bellardi, 1887b, p. 38; not *M. cincta* Newton, 1891, p. 140 = *M. newtoni* Cossmann, 1899b, p. 164
Mitra (Turricula) cincta Meyer, de Gregorio, 1890, p. 75, pl. 5, fig. 47
Fusimitra cincta (Meyer), Cossmann, 1893, p. 38
Vexillum (Uromitra) gracile (H. C. Lea), Palmer, 1937, p. 402, pl. 66, figs. 1, 13, 14; pl. 89, fig. 1 type I. Lea; Brann and Kent, 1960, p. 974

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype, No. 13164 ANSP. Holotype *Turricula cincta* Meyer, No. 638831 USNM

Uromitra grantensis (Johnson) **Mitridae**

Mitra grantensis Johnson, 1899, p. 71, pl. 1, fig. 2

Uromitra grantensis (Johnson), Harris and Palmer, 1947, p. 398, pl. 56, figs. 11 copy Johnson, 12; Brann and Kent, 1960, p. 944

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery Ldg., lower layer, Red R. (type)

Type.—Holotype, No. 6831 ANSP

Uromitra ? terplicata (de Gregorio) **Mitridae**

Mitra lineata I. Lea, 1833, p. 168, pl. 5, fig. 174; H. C. Lea, 1849, p. 101; de Gregorio, 1890, p. 73, pl. 5, fig. 40 copy I. Lea, figs. 41, 42 includes var. *terplicata;* Harris, 1895b, p. 25; Tomlin, 1931, p. 54. Not *Mitra lineata* Schumacher, 1817, p. 239. Not *Mitra lineata* Hoeninghaus, 1831, p. 152 *nomen nudum.* Not *Tiara lineata* Broderip, 1835 [1836], p. 195

Fusimitra ? lineata (I. Lea), Conrad, 1865a, p. 25; Conrad, 1866a, p. 16

Fusimitra lineata (I. Lea), Cossmann, 1893, p. 38. Not Heilprin, 1891a, p. 396 "Wheelock", Texas

Vexillum (Uromitra ?) terplicatum (de Gregorio), Palmer, 1937, p. 401, pl. 66, figs. 9, 10 copy de Gregorio; pl. 88, fig. 8 type *M. lineata* I. Lea

Turricula (Fusimitra) lineata (I. Lea), Cossmann, 1899b, p. 168

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Type.—Holotype, No. 5865 ANSP

Urosalpinx aspinosus (Meyer), Cossmann, 1903b, p. 50 Oligocene not Eocene

Urosalpinx dubia (Aldrich)
See *Euthria dubia* (Aldrich)

Urosalpinx multicostatus Heilprin
See cf. *Penion multicostatus* (Heilprin)

Utriculus commixta de Gregorio
See *Acteocina commixta* (de Gregorio)

Uxia pearlensis (Meyer and Aldrich)
See *Unitas pearlensis* (Meyer and Aldrich)

Vasum humerosum Vaughan **Vasidae**

Vasum humerosum Vaughan, 1896, p. 34, pl. 2, figs. 7, 8; Schuchert, *et al.*, 1905, p. 688; Harris and Palmer, 1947, p. 390, pl. 51, figs. 10, 11; Brann and Kent, 1960, p. 951

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Locality.—LA.: *Grant Par.*, Montgomery, Red R. (type)

Type.—Holotype, No. 147037 USNM

Vasum ? wilmingtonense Brown and Pilsbry **Vasidae**

Vasum Wilmingtonense Brown and Pilsbry, 1912, p. 153, pl. 1, figs. 2, 3; Kellum, 1926, p. 30

Range.—Upper Eocene. Castle Hayne ls. (type), Jackson gr. [Age uncertain]

Locality.—N.C.: *New Hanover Co.*, quarry about 1½ mi. E. of Wilmington

Type.—Holotype, No. 13476 ANSP

Velates floridanus Richards **Neritidae**

Velates floridanus Richards, 1946, p. 2, text pls. 1, 2; Richards and Palmer, 1953, p. 13, pl. 1, figs. 6-9; Palmer, 1957, pp. 70, 71

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.

Locality.—FLA.: *Levy Co.*, ⅛ mi. below Florida Power Corp. Plant, Inglis on right bank Withlacoochee R., SE. ¼ NW. ¼ sec. 3, T. 17 S., R. 16 E. (type)

Type.—Holotype, No. 16827 ANSP

Veluteria [*sic*] *expansa* (Whitfield)
See *Capulus expansus* (Whitfield)

Velutina expansa Whitfield
See *Capulus expansus* (Whitfield)

Verconella bella (Conrad)
See *Penion bellus* (Conrad)

Verconella bella leai Palmer
See *Penion bellus leai* (Palmer)

Verconella delabechii (I. Lea)
See *Penion delabechii* (I. Lea)

Vermetus (Lemintina) major Cossmann *nomen nudum*
See *Serpulorbis major* Chavan *in* Palmer
See also *Serpulorbis chavani* Palmer

Vermetus ornatus (I. Lea)
See *Serpulorbis squamulosus* (Conrad)

Vermetus sp. Clark, 1895, 1896
See *Serpulorbis* sp.

Vertagus georgianus (Lyell and G. Sowerby)
See *Cerithium* ? *georgianum* Lyell and G. Sowerby. Oligocene

Vertagus wechesensis Stenzel *in* Renick and Stenzel = *nomen nudum*
See *Diorocerithium wechesense* Stenzel *in* Woodring

Vexillum (Uromitra) exile (Gabb)
See *Uromitra brazosana* Palmer and Brann, new name

Vexillum (Conomitra) fusoides (I. Lea)
See *Conomitra fusoides* (I. Lea)

Vexillum (Uromitra) gracile (H. C. Lea)
See *Uromitra gracilis* (H. C. Lea)

Vexillum (Uromitra ?) terplicatum (de Gregorio)
See *Uromitra ? terplicata* (de Gregorio)

Vexillum (Conomitra) texanum Harris
See *Conomitra texana* Harris

Vitrinella aldrichi (Harris) **Vitrinellidae**

Cyclostrema aldrichi Harris, 1899a, p. 101, pl. 12, figs. 19, 19a; Brann and Kent, 1960, p. 299

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R. (type)

Types.—Syntypes, Nos. 2351, 2352 PRI

Vitrinella cf. *laevis* (Meyer)
See *Vitrinella* sp.

"Vitrinella" virginiensis (Van Winkle) **Vitrinellidae**

Adeorbis ? virginiensis Van Winkle *in* Van Winkle and Harris, 1919, p. 9, pl. 1, fig. 13; Brann and Kent, 1960, p. 27

"Vitrinella" virginiensis (Van Winkle), Palmer, 1937, p. 55, pl. 2, fig. 9 copy holotype; Brann and Kent, 1960, p. 975

Range.—Lower Eocene. Nanjemoy fm.

Locality.—VA.: *Hanover Co.*, Newcastle, S. side Pamunkey R., ¾-1 mi. E. of bridge on U.S. 360 (type)

Type.—Holotype, No. 1400 PRI

Vitrinella sp. **Vitrinellidae**

Not *Adeorbis laevis* Meyer, 1886b, p. 67, pl. 2, figs. 29, 29a Red Bluff Oligocene

? *Teinostoma laevis* (Meyer), Van Winkle and Harris, 1919, p. 12; Van Winkle, 1921, p. 8

Vitrinella cf. *laevis* (Meyer), Palmer, 1937, p. 55, pl. 2, figs. 10-12; Brann and Kent, 1960, p. 975

Range.—Lower Eocene. Nanjemoy fm.

Locality.—VA.: *Hanover Co.*, Newcastle

Types.—Figured specimens, Nos. 2654, 2655 PRI

Vivipara Lyelli Conrad
See *Viviparus lyelli* (Conrad)

Viviparus ? lyelli (Conrad) **Viviparidae**

Paludina, "allied to *P. Desnoyerii* Desh." Lyell, 1845, p. 431, fig. c

Vivipara Lyelli Conrad, 1865a, p. 32; Heilprin, 1884a, p. 131; Palmer, 1937, p. 138

Viviparus ? lyelli (Conrad), White, 1883, p. 479 (reprint p. 73); Henderson; 1935, pp. 15, 170

Range.—Upper Eocene. Castle Hayne ls. (type); Jackson gr.

Locality.—N.C.: *New Hanover Co.*, Wilmington

Type.—"Holotype", OUM No. LT.65 ("No. LT.65 is mounted with similar specimens, Nos. LT.66-LT.70, on a tablet marked 'Jacksonboro'," J. M. Edmonds, April 6, 1965 pers. com.)

Voluta Baudoni (Bandoni [*sic*]) Deshayes, Heilprin, 1881; de Gregorio, 1890.
Not Deshayes, 1865b
See *Caricella heilprini* Dall

Voluta clarae Harris
See *Athleta clarae* (Harris)

Voluta cogitabunda de Gregorio
See *Caricella doliata* (Conrad)

Voluta conoides Tuomey
See *Athleta conoides* (Tuomey)

Voluta (Caricella) Cooperi I. Lea
See *Caricella doliata* (Conrad)

Voluta Defrancii I. Lea
See *Athleta sayanus* (Conrad)

Voluta dubia H. C. Lea
See *Lapparia pactilis* (Conrad)

Voluta florencis Harris
See cf. *Volutilithes florencis* (Harris)

Voluta gracilis I. Lea
See *Athleta sayanus* (Conrad)

Voluta lelia Whitfield
See *Caricella lelia* (Whitfield)

Voluta (Volutilithes) limopsis (Conrad)
See *Volutocorbis limopsis* (Conrad)

Voluta lyroidea (Aldrich)
See *Lyria lyroidea* (Aldrich)

Voluta Newcombiana Whitfield
See cf. *Scaphella newcombiana* (Whitfield)

Voluta (Scaphella) newcombiana Whitfield, 1892, 1899. Not *V. newcombiana* Whitfield, 1865
See cf. *Scaphella* sp.

Voluta Parkinsonii I. Lea
See *Caricella pyruloides* (Conrad)

Voluta parva I. Lea
See *Athleta petrosus* (Conrad)

Voluta parvula Whitfield
See cf. *Scaphella parvula* (Whitfield)

Voluta perelevata Whitfield
See cf. *Scaphella perelevata* (Whitfield)

Voluta petrosa Conrad
See *Athleta petrosus* (Conrad)

Voluta petrosa var. *Defrancii* I. Lea
See *Athleta sayanus* (Conrad)

Voluta petrosa var. *gracilis* I. Lea. ?, de Gregorio, 1890
See *Athleta sayanus* (Conrad)

Voluta petrosa mitis de Gregorio ?
See *Athleta sayanus* (Conrad)

Voluta petrosa var. *Vanuxemi* I. Lea
See *Athleta petrosus* (Conrad)

Voluta piruloides Conrad, Cossmann, 1893
See *Caricella pyruloides* (Conrad)
See also *Caricella bolaris* (Conrad)

Voluta (Caricella) praetenuis (Conrad)
See *Caricella praetenuis* (Conrad)

Voluta prisca (Conrad)
See *Caricella doliata* (Conrad)

Voluta (Caricella) pyruloides (Conrad), de Gregorio, 1890
See *Caricella pyruloides* (Conrad)
See also *Caricella bolaris* (Conrad)

Voluta (Caricella) pyruloides var. *bolaris* (Conrad)
See *Caricella bolaris* (Conrad)

Voluta (Caricella) pyruloides var. *sita* de Gregorio
See *Caricella bolaris* (Conrad)

Voluta rugata (Conrad)
See *Volutocorbis rugatus* (Conrad)

Voluta sayana Conrad
See *Athleta sayanus* (Conrad)

Voluta Sayana var. *ipnotica* de Gregorio
See *Athleta sayanus* (Conrad)

Voluta Sayana var. *mica* de Gregorio
See *Athleta sayanus* (Conrad)

Voluta scaphoides Whitfield
See *Scaphella scaphoides* (Whitfield)

Voluta showalteri Aldrich
See *Scaphella showalteri* (Aldrich)

Voluta striata I. Lea
See *Caricella praetenuis* (Conrad)

Voluta teplica ? de Gregorio
See *Athleta sayanus* (Conrad)

Voluta (Athleta) Tuomeyi Conrad
See *Athleta tuomeyi* Conrad

Voluta Vanuxemi I. Lea
See *Athleta petrosus* (Conrad)

Voluta (Amoria) vesta Whitfield
See *Caricella vesta* (Whitfield)

Voluta sp. Harris, 1899a
See cf. *Scaphella* sp.

Voluta sp. Dall, 1890, pp. 77, pl. 6, figs. 5a
See *Lyrischapa harrisi* Aldrich

Volutalithes [*sic*] see *Volutilithes*

Volutapex new subgenus Harris, 1937, p. 55 as new section type species Surculoma *(Volutapex) calantica* Harris herein designated
See *Surculoma (Volutapex) calantica* Harris

Volutella larvata (Conrad)
See *Bullata larvata* (Conrad)

Volutella plicata (I. Lea)
See *Bullata plicata* (I. Lea)

Volutella semen (I. Lea)
See *Bullata semen* (I. Lea)

Volutella semen var. *exilarata* de Gregorio
See *Bullata semen exilarata* (de Gregorio)

Volutella semen var. *linda* de Gregorio
See *Bullata semen* (I. Lea)

Voluticella levensis Palmer **Volutidae**

Voluticella levensis Palmer *in* Richards and Palmer, 1953, p. 38, pl. 5, figs. 4-8

Range.—Upper Eocene. Inglis fm. (type), lower Ocala gr.
Localities.—FLA.: *Levy Co.*, road metal pit 2.9 mi. S. of N. limits of town of Gulf Hammock, just SW. of State Road 55 in SW. ¼ sec. 34, T. 14 S., R. 16 E. (type); road metal pit in NE. ¼ sec. 14, T. 15 S., R. 16 E.
Types.—Holotype, No. I-7625; paratypes, Nos. I-7626-7628, Fla. Geol. Sur.

Volutilithes Abbotti Gabb
See *Volutocorbis abbotti* (Gabb)

Volutilithes cancellatus Whitfield
See *Volutocorbis cancellatus* (Whitfield)

Volutilithes dalli Harris
See *Athleta dalli* (Harris)

Volutilithes [*Volutalithes (sic)*] *dumosus* Conrad
See *Athleta symmetricus* (Conrad)

Cf. **Volutilithes florencis** (Harris) **Volutidae**

Voluta florencis Harris, 1896, p. 82, pl. 8, figs. 6, 6a; Brann and Kent, 1960, p. 976
Psephaea (Eopsephaea) Florencis (Harris), Cossmann, 1899b, p. 147

Range.—Paleocene. Clayton fm. (type), lower Midway gr.
Localities.—ALA.: *Barbour Co.*, 1⅓ mi. NE. of Clayton (type). GA.: *Clay Co.*, Chattahoochee R., about 3 mi. S. of mouth of Pataula Creek
Types.—Syntypes, Nos. 98, 99 PRI

Volutilithes haleanus (Whitfield)
See *Athleta haleanus* (Whitfield)

Volutilithes impressus Conrad
See *Athleta petrosus* (Conrad)

Volutilithes indentus Conrad
See *Athleta petrosus* (Conrad)

Volutilithes limopsis Conrad
See *Volutocorbis limopsis* (Conrad)

Volutilithes lisbonensis Aldrich
See *Athleta lisbonensis* (Aldrich)

Volutilithes [*Volutalithes (sic)*] *lyroideus* Aldrich
See *Lyria lyroidea* (Aldrich)

Volutilithes mutatus ? (Deshayes), Conrad, 1866a. Not Deshayes, 1824
See *Athleta* sp.

Volutilithes petrosus (Conrad)
See *Athleta petrosus* (Conrad)
See also *Athleta tuomeyi* Conrad lower Eocene

Volutilithes petrosus (Conrad), Clark and Martin, 1901. Not Conrad, 1833b
See cf. *Athleta tuomeyi* Conrad

Volutilithes petrosus tuomeyi (Conrad)
See *Athleta tuomeyi* Conrad

Volutilithes precursor Dall, 1890, Aug. Not Bellardi, 1890, Jan.
See *Athleta wheelockensis* (Cossmann)

Volutilithes quercollis Harris
See *Narona* ( ) *quercollis* (Harris)

Volutilithes ? *rectus* Aldrich
See *Ficopsis texana* (Harris)

Volutilithes rugatus Conrad
See *Volutocorbis rugatus* (Conrad)

Volutilithes rugatus var. *saffordi* (Gabb)
See *Volutocorbis rugatus saffordi* (Gabb)

Volutilithes sayanus (Conrad)
See *Athleta sayanus* (Conrad)

Volutilithes spinosus [Linné], Lamarck, Dall, 1890. Not Lamarck, 1802
See cf. *Athleta* sp.

Volutilithes [*Volutalithes (sic)*] *symmetricus* Conrad
See *Athleta symmetricus* (Conrad)

Volutilithes tuomeyi (Conrad)
See *Athleta tuomeyi* Conrad
See also cf. *Athleta tuomeyi* Conrad

Volutilithes wheelockensis Cossmann
See *Athleta wheelockensis* (Cossmann)

Volutilithes sp. Clark, 1895; 1896; Clark and Martin, 1901
See *Athleta* sp.

Volutispina [*sic*] see *Volutospina*

Volutocorbis abbotti (Gabb) **Volutidae**

Volutilithes Abbotti Gabb, 1860b, p. 94, pl. 2, fig. 7; Gabb, 1861, p. 149; Meek, 1864, p. 21; Conrad, 1868, p. 729
Volutomorpha Abbotti (Gabb), Gabb, 1877, p. 293
Volutoderma Abbotti (Gabb), Whitfield, 1892, p. 173, pl. 21, figs. 4, 5 type, 6-9; Whitfield, 1899, p. 177; Johnson, 1905, p. 25; Weller, 1907, p. 778, pl. 92, figs. 1, 2 type

Range.—Uncertain, probably lower Eocene. Vincentown fm. (Whitfield, 1892; Weller, 1907) (type)
Locality.—N.J.: "Burlington Co." (Gabb, type)
Type.—Holotype, No. 13485 ANSP

Volutocorbis cancellatus (Whitfield) **Volutidae**

Volutilithes cancellatus Whitfield, 1892, p. 213, pl. 30, figs. 7-10; Whitfield, 1899, p. 177

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.
Locality.—N.J.: *Monmouth Co.*, Shark R. (type)
Types.—Syntypes, No. 9750/1 AMNH

Volutocorbis dalli smithvillensis F. B. Plummer
See *Athleta dalli forma smithvillensis* F. B. Plummer

Volutocorbis ? haleanus (Whitfield)
See *Athleta haleanus* (Whitfield)

Volutocorbis kerensensis F. B. Plummer **Volutidae**

Plejona (Volutocorbis) kerensensis F. B. Plummer, 1933, p. 813, pl. 9, fig. 8
Volutocorbis kerensensis F. B. Plummer, Gardner, 1935, p. 240

Range.—Paleocene. Kerens mem. (type), Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Navarro Co.*, bluff on Trinity R. near old Humble pumping station about 5 ½ mi. ENE. of Kerens (type)
Type.—Holotype, No. P 5379 BEG Plummer Coll.

Volutocorbis limopsis (Conrad) **Volutidae**

Volutilithes limopsis Conrad, 1860, p. 292, pl. 47, fig. 24; Conrad, 1866a, p. 16; Cossmann, 1893, p. 39; Harris, 1894b, p. 45 (?); Harris *in* Dana, 1895, p. 896, fig. 1478; Harris, 1896, p. 84, pl. 8, fig. 3; Veatch, 1906, p. 33, pl. 16, fig. 4 copy Harris, 1896; B. Smith, 1906, pp. 56, 57, text fig. 2; pl. 2, fig. 1; Trowbridge, 1932, pl. 31, fig. 5; Brann and Kent, 1960, p. 977
Voluta (Volutilithes) limopsis Conrad, de Gregorio, 1890, p. 69, pl. 5, fig. 23 (not fig. 22 as in text)
Volutilithes (Volutocorbis) limopsis Conrad, Cossmann, 1899b, p. 138
Plejona limopsis (Conrad), Deussen, 1914, p. 32, pl. 3, fig. 4; Deussen, 1924, pl. 14, fig. 4; Deussen, 1926, pl. 93, fig. 2; Cooke, 1926a, pl. 93, fig. 2
Plejona (Volutocorbis) limopsis (Conrad), F. B. Plummer, 1933, p. 813, pl. 9, figs. 6, 7
Volutocorbis limopsis (Conrad), Davies, 1935, p. 301, Gardner, 1935, p. 238, pl. 21, fig. 7; Wenz, 1943, p. 1317, fig. 3748 copy Harris, 1896; Shimer and Shrock, 1944, p. 508, pl. 209, fig. 7 copy Harris, 1896

Range.—Paleocene. Kincaid fm., lower Midway gr.; Matthews Ldg. mem. (type), uppermost Porters Cr. fm., upper Midway gr.; Willls Point fm., upper Midway gr.

Localities.—Not definitely known. ALA.: *Wilcox Co.*, Matthews Ldg., Alabama R. (probably type locality Gardner, 1935, p. 238); 1 mi. W. of Oak Hill. TEXAS: *Bastrop Co.*, Elgin. For further Texas localities see Gardner, 1935, p. 240

Types.—Syntypes (2), No. 14421 ANSP, Moore, 1962, p. 70

Volutocorbis lisbonensis crockettensis F. B. Plumer
See *Athleta lisbonensis* forma *crockettensis* (F. B. Plummer)

Volutocorbis olssoni F. B. Plummer **Volutidae**

Plejona (Volutocorbis) olssoni F. B. Plummer, 1933, p. 813, pl. 9, fig. 11

Range.—Lower Eocene. Sequin fm. (type), lower Wilcox [Sabine] gr.

Locality.—TEXAS: *Bastrop Co.*, bank of Solomon's Creek about 5 ½ mi. SSW. of Elgin (type)

Type.—Holotype, No. P 5380 BEG

Volutocorbis (Volutospina) petrosus (Conrad)
See *Athleta petrosus* (Conrad)

Volutocorbis petrosus tuomeyi (Conrad)
See *Athleta tuomeyi* Conrad

Volutocorbis quercollis (Harris)
See *Narona (   ) quercollis* (Harris)

Volutocorbis rugatus (Conrad) **Volutidae**

Volutilithes rugata [*us*] Conrad, 1860, p. 292, pl. 47, fig. 32; Conrad, 1865a, p. 24; Conrad, 1866a, p. 16; Harris *in* Dana, 1895, p. 896, fig. 1477; Harris, 1896, p. 83, pl. 8, fig. 1 same as Harris, 1895; Cossmann, 1899b, p. 137; Veatch, 1906, pl. 16, fig. 5 copy Harris, 1895, 1896; Smith, 1906, p. 57, text fig. 3, pl. 2, fig. 2; Brann and Kent, 1960, p. 978

Voluta rugata (Conrad), de Gregorio, 1890, p. 65

Plejona rugata (Conrad), Deussen, 1914, p. 32, pl. 3, fig. 5; Deussen, 1924, pl. 14, fig. 5; Cooke, 1926a, pl. 93, figs. 3a, b

Plejona (Volutocorbis) rugata (Conrad), F. B. Plummer, 1933, p. 813, pl. 9, fig. 9

Volutocorbis rugatus (Conrad), Davies, 1935, p. 301; Gardner, 1935, p. 236, pl. 21, figs. 3, 4; Shimer and Shrock, 1944, p. 508, pl. 209, fig. 6 copy Harris, 1895, 1896

Range.—Paleocene. Cf. Kincaid fm., lower Midway gr.; Matthews Ldg. mem. (type); Porters Cr. fm., upper Midway gr.

Localities.—Not definitely known. ALA.: *Sumter Co.*, Black Bluff and 4 mi. below Black Bluff, Tombigbee R.: *Wilcox Co.*, Matthews Ldg., Alabama R. (probably type Gardner, 1935, p. 234); Dales Branch; 1 mi. W. of Oak Hill P.O. Cf. TEXAS: *Caldwell Co.*, 5 ½ mi. SW. of Lockhart (Gardner, 1935)

Type.—Missing ANSP, Moore, 1962, p. 93

Volutocorbis rugatus saffordi (Gabb) **Volutidae**

Fasciolaria saffordi Gabb, 1860d, p. 390, pl. 68, fig. 6
Volutilithes rugatus var. *saffordi* (Gabb), Harris, 1896, p. 83, pl. 8, fig. 2
Plejona (Volutocorbis) saffordi (Gabb), F. B. Plummer, 1933, p. 813, pl. 9, fig. 10

Range.—Paleocene. Clayton fm. (type), lower Midway gr.; Naheola fm., upper Midway gr.; Wills Point fm., upper Midway gr.
Localities.—TENN.: *Hardeman Co.*, (type, Gabb); Hannah's, 1 ¾ mi. NE. of Crainesville; Middleton; 2 mi. SSE. of Middleton. ALA.: *Choctaw Co.*, Naheola; *Wilcox Co.*, Palmer's Mill; ½ mi. W. of Graveyard Hill; 1 mi. N. of Midway
Type.—Unknown. Type in Safford Coll. seen by Harris, 1896

Volutocorbis stenzeli F. B. Plummer **Volutidae**

Plejona (Volutocorbis) stenzeli F. B. Plummer, 1933, p. 813, pl. 9, figs. 12, 13
Volutocorbis stenzeli F. B. Plummer, Palmer, 1937, p. 384, pl. 59, figs. 1, 2 copies Plummer

Range.—Middle Eocene. Reklaw fm. (type), lower Claiborne gr.
Locality.—TEXAS: *Caldwell Co.*, dump at side of old copper prospect 4 ½ mi. NE. of Hardwood (type)
Types.—Syntypes, Nos. P 5381, P 14165 BEG Plummer Coll.

Volutocorbis texanus Gardner *in* F. B. Plummer **Volutidae**

Plejona (Volutocorbis) texana Gardner (ms.) vars. A, B, C *in* F. B. Plummer, 1933, p. 813, pl. 9, figs. 1-5
Volutocorbis texana Gardner, Gardner, 1935, p. 235, pl. 21, figs. 1, 2 "holotype"; Gardner, 1945, p. 223, pl. 16, figs. 2, 3 "holotype"

Range.—Paleocene. Kincaid fm. (type), lower Midway gr.; Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Colorado R., 1½ mi. below Travis-Bastrop Co. line (type). For further Texas localities see Gardner, 1935, p. 237
Type.—Holotype, No. 370998 USNM

Volutocorbis wheelockensis (Cossmann)
See *Athleta wheelockensis* (Cossmann)

Volutocorbis wheelockensis bastropensis F. B. Plummer
See *Athleta wheelockensis* forma *bastropensis* (F. B. Plummer)

Volutocorbis wheelockensis sabinensis F. B. Plummer
See *Athleta wheelockensis* forma *sabinensis* (F. B. Plummer)

? **Volutocorbis** sp. **Volutidae**

Volutocorbis ? sp. Gardner, 1935, p. 237

Range.—Paleocene. Wills Point fm., upper Midway gr.
Locality.—TEXAS: *Bastrop Co.*, Cedar Creek, ½ mi. NE. of bridge on Austin-Red Rock road
Type.—Unfigured specimen, probably USNM

Volutocorbis sp. **Volutidae**

Volutocorbis sp. Gardner, 1935, p. 238

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Caldwell Co.*, 2 mi. N. of Lockhart
Type.—Unfigured specimen, probably USNM

Volutocorbis sp. **Volutidae**

Volutocorbis sp. Trowbridge, 1932, pl. 38, fig. 3

Range.—Lower Eocene. Wilcox gr.
Locality.—MEXICO: *Nuevo Leon*, 3 mi. W. of Altamira
Type.—Figured specimen, No. 371781 USNM

Volutoderma Abbotti (Gabb)
See *Volutocorbis abbotti* (Gabb)

Volutoderma intermedia Whitfield
See cf. *Scaphella intermedia* (Whitfield)

Volutomorpha Abbotti (Gabb)
See *Volutocorbis abbotti* (Gabb)

Volutospina [*Volutispina (sic)*] *haleana* (Whitfield)
See *Athleta haleanus* (Whitfield)

Volutospina impressa (Conrad)
See *Athleta petrosus* (Conrad)

Volutospina indenta (Conrad)
See *Athleta petrosus* (Conrad)

Volutospina [*Volutispina (sic)*] *petrosa* (Conrad)
See *Athleta petrosus* (Conrad)
See also *Athleta symmetricus* (Conrad) Jackson Eocene

Volutospina [*Volutispina (sic)*] *sayana* (Conrad)
See *Athleta sayanus* (Conrad)

Volutospina symmetrica (Conrad)
See *Athleta symmetricus* (Conrad)

Volutovetus petrosus Conrad, Pilsbry and Olsson, 1954
See *Athleta petrosus* (Conrad)

Volvaria (Volvariella) alabamensis Aldrich. Not Cossmann, 1893
See *Volvariella aldrichi* Cossmann

Volvaria alabamiensis Cossmann **Mitridae**

Volvaria alabamiensis Cossmann, 1893, p. 49, pl. 2, fig. 12; Cossmann, 1899b, p. 181; Palmer, 1937, p. 412, pl. 65, figs. 1, 7; Brann and Kent, 1960, p. 978

Not *Volvaria (Volvariellla) alabamensis* Aldrich, 1897a, p. 13; not Harris, 1899a, p. 7 = *Volvaria* (*Volvariella) aldrichi*, Cossmann, 1899b, p. 182 new name

Range.—Middle Eocene. Gosport sd. (type), uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, Claiborne Bluff, Alabama R. (type)

Types.—Holotype and paratype, No. 11558 Lab. Géol., Sorbonne, Paris

Volvaria (Volvariella) aldrichi Cossmann
See *Volvariella aldrichi* Cossmann

Volvaria gabbiana Harris **Mitridae**

Marginella (Volvaria) gabbiana Aldrich, ms., pl. 2, fig. 13 *fide* Harris, 1895a

Volvaria gabbiana Harris, 1895a, p. 67, pl. 6, fig. 7; Palmer, 1937, p. 412, pl. 65, fig. 2 holotype

Volvaria bulloides Lamarck, Aldrich, 1895b, p. 5, pl. 2, fig. 13. Not Lamarck, 1804c, p. 29

Range.—Middle Eocene. Reklaw fm. (type), lower Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Colorado R., bluff just below mouth of Alum Creek, not far above Smithville (*fide* Harris, 1893a ms., p. 111); Devil's Eye, Colorado R.

Type.—Holotype, No. 35623 BEG

Volvaria galba Conrad
See *Retusa (Cylichnina) galba* (Conrad)

Volvaria reticulata Johnson **Mitridae**

Volvaria reticulata Johnson, 1899, p. 71, pl. 1, fig. 1; Palmer, 1937, p. 413, pl. 65, figs. 5, 11; fig. 16 copy Johnson; Brann and Kent, 1960, p. 978

Range.—Middle Eocene. Stone City beds (type), middle Claiborne gr.; Cook Mt. fm., upper Claiborne gr.

Localities.—TEXAS: *Burleson Co.*, Moseley's Ferry [Stone City Bluff], Brazos R. (type). LA.: *Ouachita Par.*, Lapiniere Ldg., Ouachita R.

Type.—Holotype, No. 6467 ANSP

Volvariella alabamensis Aldrich, 1897a. Not *Volvaria alabamiensis* Cossmann, 1893
See *Volvariella aldrichi* Cossmann

Volvariella aldrichi Cossmann **Mitridae**

Volvaria (Volvariella) alabamensis Aldrich, 1897a, p. 13, pl. 2, fig. 3 *Volvarin* [*sic*] on pl.; Harris, 1899a, p. 7, pl. 1, fig. 7. Not *V. alabamiensis* Cossmann, 1893, p. 49

Volvaria (Volvariella) Aldrichi Cossmann, 1899b, p. 182

Volvariella aldrichi (Cossmann), Palmer, 1937, p. 413, pl. 65, fig. 3; Brann and Kent, 1960, p. 978

Range.—Lower Eocene. Bashi mem. (type), Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Choctaw Corner (type)

Type.—Holotype, No. 638989 USNM

Volvula Conradiana Gabb
See *Rhizorus conradianus* (Gabb)

Volvula minutissima Gabb
See cf. *Rhizorus minutissimus* (Gabb)

Volvula minutissima Gabb ms., Harris, 1895a. Not Gabb, 1860d
See "*Atys*" *atysopsis* (Harris)

Volvula ? smithvillensis Harris
See cf. *Rhizorus smithvillensis* (Harris)

Volvula subradius (Meyer)
See *Rhizorus subradius* (Meyer)

Volvulella Conradiana (Gabb)
See *Rhizorus conradianus* (Gabb)

Volvulella Dekayi (I. Lea)
See *Mnestia dekayi* (I. Lea)

Volvulella loisae Palmer
See *Rhizorus loisae* (Palmer)

Volvulella Meyeri Cossmann
See *Mnestia meyeri* (Cossmann)

Volvulella minutissima (Gabb)
See *Rhizorus minutissimus* (Gabb)

Volvulella cf. *minutissima* (Gabb), Harris and Palmer, 1947
See *Rhizorus minutissimus* (Gabb)
See also *Rhizorus* sp.

Volvulella smithvillensis (Harris)
See cf. *Rhizorus smithvillensis* (Harris)

Volvulella subradius (Meyer)
See *Rhizorus subradius* (Meyer)

Volvulella volutata (Meyer and Aldrich)
See *Rhizorus volutatus* (Meyer and Aldrich)

Volvulella wellsi Palmer
See *Rhizorus wellsi* (Palmer)

Whitneya ficus Gabb
See under *Strepsidura ficus* ? (Gabb) or subsp.

Xancus (Psilocochlis) mccalliei Dall
See *Psilocochlis mccalliei* Dall

Xenophora agglutinans (Lamarck) ?, de Gregorio, 1890. Not *Trochus agglutinans* Lamarck, 1804b, p. 51
See *Xenophora* sp.

Xenophora conchyliophora (Born), Dall, 1892 in part; Harris, 1899a in part. Not Born, 1780
See *Xenophora reclusa* (Conrad)
See also *Xenophora* sp.

Xenophora conchyliophora (Born), Gardner, 1935. Not Born, 1780
See *Xenophora* sp.
See also *Xenophora humilis* (Conrad)
See also *Xenophora reclusa* (Conrad)

Xenophora confusa Deshayes, Heilprin, 1891a. Not Deshayes, 1824 [1832]
See *Xenophora* sp.

Xenophora extensa (Sowerby), Dall, 1892. Not James Sowerby, 1821
See *Xenophora lapiferens* Whitfield

Xenophora humilis (Conrad) **Xenophoridae**

Phorus humilis Conrad, 1848a, p. 285; Conrad, 1848b, p. 116, pl. 11, fig. 46

Onustus humilis (Conrad), Conrad, 1865a, p. 33; Conrad, 1866a, pp. 11, 25; de Gregorio, 1890, p. 145 Claiborne in error

Xenophora humilis (Conrad), Dall, 1892, p. 361; not Dall, 1890, pl. 4, figs. 10, 10a = *X. reclusa* copied by Dall, 1915, pl. 15, figs. 1, 3 as *X. conchyliophora* (Born); not Schuchert, *et al.*, 1905, p. 701 Ballast Point, Tampa, Fla. Miocene; Vaughan, 1896, p. 50; Palmer, 1937, p. 144; Harris and Palmer, 1947, p. 259, pl. 30, fig. 2 copy Conrad

Xenophora conchyliophora (Born), Gardner, 1935, pp. 298, 299 in part. Not *X. conchyliophora* (Born), 1780

Range.—Oligocene (type). Upper Eocene range in doubt as to species.

Localities.—MISS.: *Warren Co.*, Vicksburg (type); ? *Hinds Co.*, Jackson ? ALA.: *Monroe Co.*, "White limestone" (Jackson) (Dall); Claiborne Bluff, Alabama R. (Dall). ? LA.: *Grant Par.*, Montgomery, Red R. (Vaughan). ? FLA.: "Ocala ls." (Dall)

Type.—Holotype, No. 13521 ANSP Moore, 1962, p. 64

Xenophora lapiferens Whitfield **Xenophoridae**

Onustus extensus ? (Sowerby), Conrad, 1866a, p. 11. Not *Trochus extensus* James Sowerby, 1821, p. 140, pl. 278, figs. 2, 3

Xenophora lapiferens Whitfield, 1892, p. 227, pl. 34, figs. 6-9 syntypes; Dall, 1892, p. 361; Whitfield, 1899, p. 178; Palmer, 1937, p. 144

Xenophora extensa (Sowerby), Dall, 1892, p. 361. Not James Sowerby, 1821, p. 140

Range.—Middle Eocene. Shark R. ml. (type), upper Claiborne gr.

Locality.—N.J.: *Monmouth Co.*, Shark R. (type); Farmingdale

Types.—Syntype (pl. 34, figs. 8, 9) No. 9759/1 AMNH; syntype (pl. 34, figs. 6, 7) not found Rutgers, 1965

Xenophora reclusa (Conrad) **Xenophoridae**

Phorus reclusus Conrad *in* Wailes, 1854, p. 289, pl. 17 [pl. 16], figs. 6a, 6b (reprint, 1939, p. 19, pl. 4, figs. 6a, 6b); Conrad, 1856a, p. 262 (reprint, 1939, p. 8); not Aldrich, 1886, p. 52 = *Xenophora* sp.

Onustus reclusus (Conrad), Conrad, 1865a, p. 33

Xenophora reclusus (Conrad), de Gregorio, 1890, p. 144 in part Jackson only; Cossmann, 1893, p. 26; Cossmann, 1915b, p. 193; Glibert, 1963a, p. 26

Xenophora humilis (Conrad), Dall, 1890, pl. 4, figs. 10, 10a; Schuchert, *et al.*, 1905, p. 701. Not *X. humilis* Conrad, 1848a, p. 285; Conrad, 1848b, p. 116

Xenophora conchyliophora (Born), Dall, 1892, p. 360 in part; Harris, 1899a, p. 85 in part, not pl. 11, fig. 17 = *Xenophora* sp.; Gardner, 1935, p. 298 in part; not Shimer and Shrock, 1944, p. 484; Brann and Kent, 1960, p. 982 in part Jackson only [Nos. 4527, 4528 should read *trochiformis*]

Xenophora trochiformis (Born), Harris and Palmer, 1947, p. 259 in part, pl. 30, figs. 15-18; not *X. trochiformis* (Born), 1778, p. 258. Not *X. conchyliophorus* (Born), 1780, p. 333

Range.—Upper Eocene. Moodys Branch fm. (type), lower Jackson gr.

Localities.—MISS.: *Hinds Co.*, Town Cr., Jackson (type). LA.: *Grant Par.*, Montgomery Ldg., Red R., *Caldwell Par.*, 1 mi. above and at Gibson Ldg., Ouachita R.; Bunker Hill Ldg., Ouachita R.

Type.—Lectotype, No. 13195 ANSP, Moore, 1962, p. 92

Xenophora trochiformis Born, Harris and Palmer, 1947. Not Born, 1778, p. 258
See *Xenophora reclusa* (Conrad)

Xenophora sp. **Xenophoridae**

Phorus reclusus ? Aldrich, 1886, p. 52

Xenophora conchyliophora (Born), Dall, p. 360 in part; Harris, 1899a, p. 85 in part, pl. 11, fig. 17; Brann and Kent, 1960, p. 982. Not *X. conchyliophora* (Born), 1780

Range.—Lower Eocene. Bashi mem., Hatchetigbee fm., upper Wilcox [Sabine] gr.

Locality.—ALA.: *Clarke Co.*, Woods Bluff, Tombigbee R.

Type.—Figured specimen missing

Xenophora sp. **Xenophoridae**

Xenophora agglutinans Lamarck ?, de Gregorio, 1890, p. 144, pl. 13, figs. 37-39; Palmer, 1937, p. 145. Not *Trochus agglutinans* Lamarck, 1804b, p. 51

Range.—Middle Eocene. Presumably Gosport sd., uppermost Claiborne gr.

Locality.—ALA.: *Monroe Co.*, presumably Claiborne Bluff, Alabama R.

Type.—Figured specimen formerly De Gregorio Coll., Univ. Palermo, Palermo, Sicily. Lost

Xenophora sp. **Xenophoridae**

Xenophora confusa (Deshayes), Heilprin, 1891a, p. 400; Palmer, 1937, pp. 143, 144. Not *Trochus confusus* Deshayes, 1832a, vol. 2, p. 243 = *Xenophora confusa* (Deshayes)

Range.—Middle Eocene. Reklaw fm., lower Claiborne gr.; Weches fm., middle Claiborne gr.

Localities.—TEXAS: *Bastrop Co.*, Devil's Eye, Colorado R., 8 mi. SE. of Bastrop; Smithville, Colorado R.

Types.—Unfigured specimens, unknown

Xenophora sp. **Xenophoridae**

? *Xenophora conchyliophora* (Born), Dall, 1915, p. 105 in part; Dall, 1916, pp. 489, 518 in part synonymy. Not *X. conchyliophora* (Born) [=*X. trochiformis* (Born)] Recent western Atlantic

Dall grouped various miscellaneous records of *Xenophora* from Cretaceous-Recent under Born's species. Such records have no specific value.

Xenophora sp. **Xenophoridae**

Xenophora conchyliophora (Born), Gardner, 1935, pp. 298, 299 in part

Range.—Paleocene. Kincaid fm., lower Midway gr.
Locality.—TEXAS: *Kaufman Co.*, 2½ mi. NE. of Kemp (USGS Sta. 10744)
Type.—Unfigured specimen, presumably USNM

Xenophora sp. **Xenophoridae**

Xenophora sp. Harris, 1896, p. 117, pl. 12, figs. 12, 13; Gardner, 1935, p. 299; Brann and Kent, 1960, p. 982

Range.—Paleocene. Clayton fm., lower Midway gr.
Localities.—ALA.: *Wilcox Co.*, 1 mi. N. of Midway; 1 mi. N. of Prairie Bluff
Types.—Figured specimens, Nos. 119, 120 PRI

Xenophora sp. **Xenophoridae**

Xenophora sp. Kellum, 1926, p. 27, pl. 5, fig. 4

Range.—Upper Eocene. Castle Hayne ls., Jackson gr.
Localities.—N.C.: *Pender Co.*, old Rocky Point; *New Hanover Co.*, Wilmington
Type.—Figured specimen, No. 353231 USNM

Xenophora sp. **Xenophoridae**

Xenophora sp. Palmer, 1937, p. 143, pl. 14, figs. 1, 2, 6; Brann and Kent, 1960, p. 982

Range.—Middle Eocene. Cook Mt. fm. [upper Lisbon fm.], upper Claiborne gr.
Locality.—ALA.: *Monroe Co.*, Lisbon Bluff, Alabama R.
Type.—Figured specimen, pl. 14, figs. 1, 6, No. 2802 PRI; fig. 2 unknown

Xenophora sp. **Xenophoridae**

Xenophora sp. Richards and Palmer, 1953, p. 23, pl. 2, fig. 6

Range.—Upper Eocene. Inglis fm., lower Ocala gr.
Locality.—FLA.: *Levy Co.*, right bank Withlacoochee R., SE. ¼ NW. ¼ sec. 3, T. 17 S., R. 16 E.
Type.—Figured specimen, No. I-7426 FLA. Geol. Sur.

Yetus (Eucymba) ocalana Dall
See *Eucymba ocalana* Dall
See *Eucymba* sp.

Zelia sativa (de Gregorio)
See *Scobinella sativa* (de Gregorio)

* type horizon.
† Avon Park limestone of Florida, upper Claiborne group.

Except where the same species occurs in different horizons specific names in line horizontally do not indicate stratigraphic relationships.

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
	Abderospira sabina	Abderospira aldrichi	Abderospira aldrichi*	Abderospira leblanci
		A. stewarti	A. meyeri	A. oviformis
		Aciculiscala jacobi		
		Acirsa whitneyi	Acirsa gracilior	
		"Aclis" modesta	"Aclis" modesta*	
		Acrilloscala sp.	Acrocoelum cancellatum	Acrilla unilineata
		Actaeonema priscum	Actaeonema sulcatum	
Acteocina spp.	Acteocina leai		Acteocina commixta	
	A. sp.	Acteocina sp.	A. sp.	
			Acteon claibornincola	Acteon annectens
			A. costellatus	
			A. idoneus	
	Acteon pomilius multannulatus	Acteon cf. pomilius	A. pomilius*	
Acteon sp.		A. p. punctatus	A. p. punctatus*	
			"Adeorbis" incertus	
			"A." punctiformis	
Agaronia mediavia	Agaronia sp.	Agaronia cf. alabamensis	Agaronia alabamensis*	Agaronia inglisia
		A. cf. bombylis	A. bombylis*	A. media
				A. mississippiensis Vicksburg* Oligocene
				A. sp.
		Akera texana	"Alaba" plicatovaricosa	
			A. varicifer	
		Amaurellina singleyi		
	Amaurellina sp.	A. sp.		
	Ampullella dumblei			

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
	A. recurva "var."	Ampullella recurva*		
		Ampullina sp.		Ampullinopsis citrinensis
	Ancilla staminea maternae	Ancilla staminea punctulifera	Ancilla staminea*	
	Cf. Ancistrosyrinx greggi	Cf. Ancistrosyrinx bastropensis		
		Cf. A. bella*		Cf. Ancistrosyrinx bella polita
		Cf. A. b. hoplites		
		Cf. A. b. planata		
		A. columbaria petropolis		A. columbaria*
Aporrhais potomacensis	Aporrhais aldrichi			
A. sp.				
Architectonica alabamensis	Architectonica bellensis			Architectonica acuta
		Architectonica alveata, n. subsp.	Architectonica alveata*	A. alveata, n. subsp.
A. bimixta				
		A. aldrichi		
		A. cf. amoena	A. amoena*	
		A. annosa	A. antrosa	
		A. cf. bellistriata		A. bellistriata*
		A. b. newtonensis		
		A. caelatura ?	A. caelatura ?	
	A. cupola	A. cossmanni	A. cossmanni*	
	A. greggi	A. cf. elaborata	A. elaborata*	
		A. fungina	A. fungina*	
	A. huppertzi "var."	A. huppertzi*		
	A. ianthinae			
	A. intusa		A. johnsoni	
	A. leana	A. leana*		
		A. meekana*		A. meekana subsplendida
		A. m. splendida		
A. periscelida	A. sabinia	A. ornata	A. ornata*	A. ornata jacksonia

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
A. phoenicea				
A. planiformis	A. sylvaerupis	A. cf. scrobiculata	A. scrobiculata*	
		A. s. hicoria		
A. spp.		A. texcarolina	A. sp.	A. sp.
		A. textilina		
		A. vespertina		
		A. sp.		
		Asthenotoma eximia		Asthenotoma danvitexa
		A. strigosa		A. spp.
				Astraea withlacoochensis
	Astyris subfraxa		Astyris crassus	
	Athleta clarae			Athleta arangius
		Athleta clayi		
		A. dalli		
		A. d. forma smithvillensis		
		A. haleanus*		Athleta haleanus jacksonius
		A. lisbonensis		
		A. l. forma crockettensis		
		A. l. forma wechesensis		
		A. petrosus	A. petrosus*	
		A. p. smithi		
			A. sayanus	A. symmetricus
Athleta cf. tuomeyi	A. tuomeyi*	A. wheelockensis*		Cf. A. triplicatus
	Cf. A. tuomeyi	A. w. forma bastropensis		
A. sp.		A. w. forma sabinensis		A. spp.
		Atlanta eocenica		
Atys meyeri	Atys robustoides	"Atys" atysopsis	"Atys" claibornensis	
A. spp.		"A." salina		
		Awateria retifera		
	Balcis wheeleri	Balcis exilis	Balcis aciculata	
		B. tenua	B. claibornia	

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		B. spp.	B. notata	
	Bathytoma marieana	Bathytoma nonplicata	Bathytoma congesta referens ?	
			Bayania claibornensis	Batillaria advena
			"B." secale	
		"Bellatara" citrana†		"Bellatara" citrana*
		"B." floridana†		"B." floridana*
		"Bittiolum" webbi		
Bittium estellense	Bittium anita	Bittium henryleai	Bittium elegans	Bittium koeneni
		Bolis enterogramma		
	Cf. Bolis sp.	B. lisboa		
Bonellitia annosa		Bonellitia bastropensis		Bonellitia jacksonica
		B. cf. elevata	Bonellitia elevata*	
		B. garvani		
	Bonellitia graciloides			
	B. g. bella	B. parilis		
	B. silvaerupis	Cf. B. rudis		
B., n. sp.	B. tortiplica ?	B. tortiplica ?	B. tortiplica "vars."?	
	Buccinanops ellipticum	Buccinanops calli	"Buccinanops" priamopse	
			Buccitriton iterandum	Buccitriton jacksonense
			B. lucrifactum	
		Buccitriton mangonization	B. mangonizatum*	
	Buccitriton sp.	B. cf. sagenum	B. sagenum*	
		B. texanum		
		B. spp.		
		Bullata cf. larvata	Bullata larvata*	
			B. plicata	
		B. cf. semen	B. semen*	
			B. s. exilarata	Bullata semen jacksonensis
		B. semenoides	B. s. minima	

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		Bullia cf. altilis	Bullia altilis*	
		B. a. harrisi		
	Bullia altilis cf. subglobosa	B. a. cf. subglobosa	B. a. subglobosa*	
		B. ancillops	B. scamba	
	B. tuomeyi	B. cf. tenera	B. tenera*	
	Bulliopsis choctavensis	Bulovia weisbordi		
				Caecum alterum
“Calliostoma” sp.			Calliostoma claibornianum	“Calliostoma” sp.
				Calyptraea alta
Calyptraea spp.	Calyptraea aperta	Calyptraea aperta	Calyptraea aperta	C. aperta England*
				C. sp.
Calyptraphorus aldrichi	Calyptraphorus trinodiferus			Calyptraphorus stamineus
C. jacksoni				
C. popenoe				
C. velatus compressus		Calyptraphorus cf. velatus	Calyptraphorus velatus*	
C., n. sp.		C. v. nodovelatus		
C. spp.	C. sp.	C. sp.		
Campanile claytonense				
“Cancellaria” spp.	Cancelrana lanceolata	Cancelrana finexa		
Cantharus marylandicus	Cantharus elegantissimus	Cantharus casteri		
Cf. C. sp.	C. johnsoni			
	Capulus expansus*	Capulus expansus		Capulus americanus
		Caricella cherokeensis	Caricella bolaris	Caricella howei
Caricella leana	Caricella demissa*	C. demissa texana	C. claibornensis	
	C. heilprini	C. lelia	C. doliata	
	Cf. C. ludoviciana	C. ponderosa	C. praetenuis	C. obsoleta
	C. plicata			C. polita
C. sp.	C. podagrina	C. cf. pyruloides	C. pyruloides*	
		C. stenzeli		C. subangulata
		C. vesta		C. turneri
		C. sp.		C. sp.

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Cerithiella chamberlaini	Cerithiella delicatula	Cerithiella ? bicostellata		Cerithiella jacksonensis
	C. fluviatilis	C. heckscheri		
		C. cf. nassula	Cerithiella nassula*	C. ouachitensis
	C. regularoides	C. preconica		
	C. terebropsis	C. spp.	C. sp.	C. sp.
	C. sp.			
		Cerithioderma primum	Cerithioderma primum*	
Cerithiopsis ? dalli	Cerithiopsis greggiensis		Cf. Cerithiopsis solitaria	
Cerithium gainesense	Cerithium penrosei	Cerithium ? siliceum	"Cerithium" agnotum	
C. ? sp. A	"C." tombigbeense		"C." claibornense	
	"Chrysodomus" striatus			
		"Circulus" sotoensis		Circulus ottonius
			Cirsochilus claibornense	
			C. lineatum	
			Cirsotrema claibornense	Cirsotrema danvillense
			C. linteum	
Cirsotrema sp.		Cirsotrema newtonense	C. nassulum*	C. nassulum creolum
		C. spillmani		C. ranellium
				C. sp.
Cf. Clavilithes hubbardanus	Cf. Clavilithes nobilis	Cf. Clavilithes chamberlaini	Clavilithes pachyleurus	Clavilithes humerosus
	C. sp.			
		C. columbaris	C. ? protextus	
		C. hercules	C. raphanoides	
		C. kennedyanus		
		C. paucicostatus		
		C. penrosei		
		C. propinquus		
		C. regexus		
		C. samsoni		
		C. texanus		
		C. sp.		

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Cf. Clavocerithium globoleve				
		Cochlespira engonata		
		C. e. blanda		
	Cochlespirella nana ?	Cochlespirella cf. nana	Cochespirella nana*	
Colubraria cedri			C. n. alabama	
	Cf. Cominella pachecoi	"Columbella" punctostriata		
			Conomitra fusoides*	
		Conomitra fusoides cf. lepa	C. f. lepa*	Conomitra hammakeri
Conomitra subpontis	Conomitra traceyi			C. jacksonensis
		C. polita		
		C. texana		
		C. t. orangeburgensis		C. sp.
		C. sp.†	Conorbis conoides	Conorbis alatoideus
		Conus cormacki	Conus granopsis	
			C. improvidus	
		C. sauridens	C. sauridens*	Conus tortilis
		C. smithvillensis		C. spp.
		Coptostoma rameum		
		C. ulmulum*		Coptostoma ulmulum secutorum
		Coralliophila aldrichi		
		Cordiera biconica		
		C. b. curta		
		C. b. newtonensis		
		C. ludoviciana mississippiensis		Cordiera ludoviciana*
Cornulina triseralis	Cornulina hatchetigbeensis	Cornulina armigera subsp.	Cornulina armigera*	Cornulina dalli
				C. d. cetaria
	C. philadelphica	C. louisianae		
	C. sp.	C. minax	C. minax	C. minax England*
	Coronia anacona	Coronia ? alternata	Coronia ? alternata*	

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		C. carodenta	C. ? casteri	
	C. childreni variations	C. childreni variations	C. childreni*	Coronia childreni "var."
		C. c. novoppidi		C. conjuncta
Coronia mediavia*	C. mediavia "var."	C. coraliger		
C. sp.	C. m. equiseta	C. genitiva*		C. genitiva "var."
		C. lancea		
		C. lerchi*	C. lerchi	
		C. ludocarola		C. ? ludonorma
	Cf. C. nodoidea	C. margaritosa		C. montgomeryensis
	C. ostrarupis	C. nucleata		C. nodulina
		C. obsolescens		C. n. "var."
		C. parvidens		C. n. bunkerensis
		C. sublerchi		C. n. ouachitensis
		C. wateletella		C. ? plentopsis
	Crenilabium cossmanni			C. weisbordi
		Crepidula dumosa	Crepidula dumosa*	
		C. lirata	C. lirata*	
Crommium tombigeense			Crommium perovatum	Crommium jacksonense
				C. ocalanum
	Cf. Cryptochorda clarkensis	Cryptochorda euria		
		C. mohri		
		C. stenostoma	Cryptospira silabra	
	Cyclostremiscus dalli	Cyclostremiscus exacuus	Cyclostremiscus exacuus*	
	C. sylvaerupis			
	C., n. sp.			
Cylichna venusta		Cylichna cf. acrotoma	Cylichna acrotoma*	Cylichna bitruncata
		C. conica		
	Cf. Cyllene bellana			Cymstosyrinx dorseyi
				C. palmerae
Cypraea estellensis	Cypraea sp.			Cypraea healeyi

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
C. spp.				C. jacksonensis
				C. ludoviciana
		Cypraea sabuloviridis		
		C. sp.		C. spp.
		Cypraedia subcancellata	Cypraedia gilberti	Cypraedia fenestralis
		Cypraeorbis nuculoides	Cypraeorbis alabamensis	Cypraeorbis ventripotens
		Daphnella imperita	Daphnella gregorioi	
		D. quindecima	"Delphinula concionaria"	
			Dentiterebra prima	Diastoma sp.
Diodora marlboroensis	Diodora alabama		Diodora infrequens	Dientomochilus rugostomum
D. mauryi	D. unilineata			Diodora penderensis
Cf. D. mediavia	D. sp.			
D. ? spp.		Diodoro tenebrosa antica	D. tenebrosa*	D. tenebrosa veatchi
				D. sp.
		Dirocerithium vinctum	Dirocerithium americanum	Dirocerithium americanum*
		D. wechesense	D. whitfieldi	
		Distorsio septemdentata		Distorsio jacksonensis
			Doliocassis nupera	
	Dorsanum, n. sp.	Dorsanum scalatum	Dorsanum bellaliratum	
Drillia quercollis		Drillia ? dipta	Drillia pulchreconcha	
			D. solitariuscula	
			D. surculopsis	
	Elimia sylvaerupsis	Ectinochilus texanum	Ectinochilus laqueatum	Ectinochilus stenzeli
	E. trigemmata	E. t. cherokense		
			Emarginula arata	Emarginula spp.
			Eoclathurella meridionalis	Eoclathurella jacksonica
	Eocypraea eosmithi			
				E. obesula
		Eodrillia texana	Eodrillia depygis	
		E. t. educata	E. lonsdalii	
		E. texanopsis		
Cf. Eopleurotoma harrisi	Eopleurotoma bimoniata	Eopleurotoma adolescens		Eopleurotoma ? albirupsis

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Cf. E. potomacensis		E. ? altispira		
	E. cainei*	E. cainei "var."	Eopleurotoma cainei "var."	
		E. carya*		E. carya "var."
	Cf. E. veatchi	E. c. carola	E. cochlea	
		E. c. fisheriana	E. desnoyersii	
		E. c. hicoria		
		E. gemmavia	E. hoeninghausii	E. julia
		E. lisboncola		
		E. nupera	E. nupera*	
			E. n. nuppygis	
		E. orangeburgensis	E. rugatina	E. ouachitensis
		E. plumbella	E. rugosa	
		E. politica		
		E. ? regularicostata	E. sayi	
		E. sabinaria		
		E. thyroidifera		
	Eosinica elevata		Eosurcula beaumontii	
Cf. Eosurcula ducateli		Eosurcula moorei	E. lesueurii	Eovasum vernoni
	Eosurcula tuomeyi	E. m. cocinna	E. l. beta	
		E. m. corpulenta		
		E. m. gamma		
		E. m. helicoidea		
		E. m. moorella		
		E. m. olssoni		
		E. pulcherrima	E. pulcherrima*	
		E. quadriplenta		
		E. sanctimauritii		
		E. ? superpons		
		E. ? s. subpons	E. tardereperta	
		Episcynia bastropensis		
Epitonium cookii	Epitonium annulatum	Epitonium kingae		Epitonium aequabile

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
E. potomacense	E. exquisitum	E. mcglameriae		E. chamberlaini
E. vetustum	E. multiliniferum	E. tenuiliratum		E. charlestonense
E. virginianum	E. munistriatum			E. cooperense
E. spp.	E. subacutum			E. dignitate
	E. sp.			E. failianum
				E. subexpansum
		Eucheilodon gabbiana		Eucheilodon creno-carinata
		E. reticulata		
		E. ocalana		Eucymba sp.
	Eulima cainei	Eulima tenaxa	Eulima extremis	Eulima jacksonensis
Eupleura morula*	Eupleura morula	Eunaticina erectoides	Eulimella propenotata	
		Euspira aldrichi		Euspira jacksonensis
	Euspira cf. leana		Euspira leana*	
Euspira marylandica*	E. cf. marylandica			
E. perspecta	E. marylandica variation	E. marylandica variation		
	E. sabina	E. newtonensis		
	Euthria dubia			
Exilia pergracilis	Exilia sp.		Exilifusus thalloides	
Falsifusus harrisi	Falsifusus ottonis	Falsifusus ? apicalis	Cf. Falsifusus subfilosus	
F. tobar		F. bastropensis		
F. spp.		F. hector*		
		F. h. multilineatus		
		F. houstonensis		
		F. ludovicianus		
		"F." perobliquus		
"Fasciolaria ?" plummeri		"Fasciolaria" crookiana		
"F." spp.	Ficopsis sp.	Ficopsis cf. penita	Ficopsis penita*	
		F. texana		
	Ficus affinis			Ficus filia
				F. merita
				F. sp.

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Fulgurofusus quercollis	Fulgurofusus rugatus			
Fusimitra marylandica		Fusimitra adamsi		Fusimitra millingtoni
		F. perexilis	Fusimitra perexilis*	Cf. F. spp.
		F. polita		
		"Fusinus" sp.		Fusinus insectoides
	Fusitoma sipha	Fusoficula angelinensis		"F." spp.
	"Fusus" sp.		"Fusus decisus"	
			"F. explicatus"	
			"F. proscissus"	
			"F. rannelloides"	
			"F. symmetricus"	
Galeodea ? spp.	Galeodea dubia*	Galeodea cf. dubia		Galeodea millsapsi
	G. koureos			G. petersoni
		G. planotecta*		G. planotecta jacksonia
		G. turneri		
		G., n. sp.		
Gegania marylandica	Gegania sp.	Gegania cf. antiquata	Gegania antiquata*	
		G. a. cf. striata	G. a. striata*	
		G. a. texana		
Gilbertina estellensis				Gisortia harrisi
G. texana	Glyptostyla bacula			Globularia morgani
		Glyptotoma conradiana		
		G. crassiplicata*		Glyptotoma crassiplicata montgomeryensis
		G. fisherana		
		G. parvula		
		Harpa sp.		Harpa jacksonensis
		Hastula houstonia		Harrisianella plicifera
		H. sabina		
		"H." venusta	"Hastula" venusta*	
	Hemisurcula silicata			Hemisinua jacksonius

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		Hesperiturris nodocarinatus		
		H. n. "var."		
		H. n. enstricrinus		
	Hipponix sylvaerupis	Hipponix levinus†		Hipponix levinus*
		H. cf. pygmaeus	H. pygmaeus*	H., n. sp.
			H. vagus	
		Infracoronia ludoviciana*		Infracoronia ludoviciana normani
		"Infundibulum carinatum"		
Keilostoma mediavia		Lacina cf. alveata	Lacinia alveata*	
			L. claibornensis	
Lacunaria lithae	Lacunaria alabamiensis			
L. spp.	L. erecta			Laevella floridana
Laevibuccinum constrictum	Laevibuccinum harrisi		Laevibuccinum popleum	
	L. lineatum	Laevibuccinum cf. prorsum	L. prorsum*	
			Laevityphis gracilis	
		Lapparia cancellata	Lapparia pactilis	Lapparia conradi
		L. crassa		L. dumosa
		L. elongata		L. d. exigua
		L. mooreana		
		L. nuda		
		L. sp.		
Cf. Latirus biplicatus	Latirus interstriatus	Cf. Latirus angularis	Latirus extricatus	
L. elaboratus	L. i. subsp.	L. eocenensis		
L. marylandicus	L. ostrarupis	L. harrisi		Latirus humilior
L. ? stephensoni	L. tombigbeensis	L. moorei		L. h. cognatus
L. tortilis*	L. tortilis nanafalius	L. obtusus		L. h. jacksonensis
L. spp.		Cf. L. perobesus		L. h. urbanus
		L. pleuricostatus		L. leaensis
		L. cf. plicatus	L. plicatus*	
		L. sexcostatus	L. tepus	L. suturalis

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		L. singleyi		L. sp.
		"Leptomaria" gigantea	Leiorhinus prorutus	
		"L." pergranulosa		
		Leptosurcula beadata		
Levifusus ? dalei	Levifusus bellanus	Levifusus ? harrisi		Levifusus branneri
L. dallianus	L. bispinosus			L. fulguriparens
L. hubbardi	L. ? pagodiformis	L. irrasus hodsoni	Levifusus irrasus*	L. moodianus
L. lithae	L. prepagoda	L. mortonii	L. mortonii*	
	L. supraplanus	L. mortoniopsis		L. mortoniopsis subsp.
	L. spp.	L. m. carexus	L. trabeatus	
"L. pagoda var."		L. spp.		L. sp.
L. regularoides				
L. suteri				
L. spp.				
Cf. Lirofusus sp.	Lirofusus subtenuis	Lirofusus cf. thoracicus	Lirofusus thoracicus*	
		Lisbonia expansa		
		Lithophysema grande		Lithophysema grande*
Litiopa marylandica				Litiopa spirata
	Lydiphnis novicastri	"Lunatia" moorei		
Lyria lyroidea				Lyria citrusensis
L. wilcoxiana				L. pycnopleura eocenia
L. spp.		Lyrischapa harrisi		
	Lyrosurcula sylvaerupis	Lyrosurcula acuta		
		L. columbiana		
		L. dalli quadrivaricata	Lyrosurcula dalli*	
		L. elegans	L. funiculigera	
		L. gibbera	L. sexvaricosa	
		L. obsoleta		
		L. shaleri	L. shaleri	
		L. vaughani		
Mangelia schotti				

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
"Marginella" sp.		Marginella constrictoides	"Marginella" constricta	"Marginella" sp.
Mathilda leona	Mathilda elongatoides	Mathilda retisculpta	Mathilda claibornensis	Mathilda sp.
	M. leana	M. r. aldrichi	M. sp.	
	M. singularis			
			Mazzalina inaurata*	Mazzalina inaurata humerosa
Cf. Mazzalina impressa	Mazzalina plena			
Cf. M. i. orientalis	M. tuomeyi			M. i. oweni
			M. i. pyrula*	M. i. cf. pyrula
	Melanopsis anita			
Mesalia alabamiensis bowlesi	Mesalia alabamiensis*	Mesalia claibornensis	Mesalia ? persa	Mesalia georgiana
	M. a. tetradeiras		M. vetusta*	M. vetusta
M. allentonensis	M. biplicata	M. spp.	M. sp.	
M. hardemanensis	M. gomin			
M. mavericki				
M. pumila				
M. spp.				
Mesorhytis ? pomonkensis	Mesorhytis ? hatchetigbeensis			
M. ? potomacensis	M. sp.			
M. ? sp.	Metula sylvaerupis	Metula brazosensis		Metula gentilicia
		M. gracilis		M. johnsoni
				M. subgracilis
		Michela trabeatoides		
		Microdrillia aldrichiella	Microdrillia ? spp.	Microdrillia cossmanni
		M. citrona		M. ouachitae
	Microdrillia infans?	M. infans bicincta		M. parthenoides
	"var."	M. elongatula		M. sp.
	M. rostratula	M. harrisi		
	M. turriculata	Cf. M. laeviplicata		
	M. sp.	M. minutissima		

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		M. robustula		
		M. solidula		
		M. spp.		
Mitrella cf. alabamensis	Mitrella alabamensis	Mitrella bastropensis		
	M. erecta	M. bucciniformis	Mitrella bucciniformis*	
		M. casteri	M. elevata	
	M. mississippiensis meyeri	M. mississippiensis*	M. parva	
			Mitrolumna eocenensis	
		Mnestia cf. dekayi	Mnestia dekayi*	Mnestia meyeri
Monodonta ? glandula		Monoptygma crassiplicum	Monoptygma curtum	
		M. leai	M. lymneoides	
Murex mansfieldi	Murex caudatoides	Murex colei		"Murex" angulatus
		M. cf. engonatus	Murex engonatus*	M. engonatus marksi
		M. fusates	M. gosportensis	M. e. supernus
		M. laevavaricosus	M. mantelli	M. sp.
		M. cf. migus	M. migus*	
		M. sabinola		
		M. cf. vanuxemi	M. vanuxemi*	
		M. v. silvaticus		
		M. sp.		
Muricopsis sp.		Murotriton mcglameriae	Murotriton grassator	
Narona potomacensis	Narona greggi			
N. quercollis	Nassarius exilis			
"Natica" mediavia	Cf. Natica aperta	Cf. Natica globulella	Natica magnoumbilicata	Natica permunda
N. reversa	"N." gilberti	N. spp.	"N." semilunata	
"N." saffordia	N. sp.			
	Neosimnia regularoidea	Neosimnia subtruncata		
"Neptunea" spp.	Neritina unidenta	N. texana		
Cf. Neverita cliftonensis		Neverita spp.	Neverita limula	
N. sp.				
Niso sp.	Niso sp.	Niso sp.	Niso umbilicata	Niso sp.

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
			Norrisia micromphala	
			N. nautiloides	
			N. nitens	
			Cf. N. parva	
		Nucleopsis cf. subvaricata	Nucleopsis subvaricata*	
Odontopolys sp.	Odontopolys sublevis	Odontopolys compsorhytis		
Odostomia matthewsensis	Odostomia bartschi	Odostomia carolina	Odostomia claibornensis	
O. spp.	O. insignifica		O. laevis	
			O. melanella*	
		O. cf. melanella	O. m. alveata	
		O. trapaquara	O. sp.	
			"Oliva" platonica	
	Olivella semilignitica			Olivella poinciana
	"Olivula" sp.			O. sp.
Orthosurcula adeona	Orthosurcula indenta			
O. fransescae	O. ? langdoni			
O. longipersa				
O. l. tobar				
O. persa				
O. p. pleasanthillensis			Ovulactaeon aldrichi	Ottoina kinkelini
O. phoenicea				
	Palaeorhaphis pergracilis	Papillina conradi	Papillina altilis	
			"P." cooperi	
Cf. Papillina mohri		P. dumosa trapaquara	P. papillata	Papillina dumosa*
		P. eocenica	P. staminea	P. gunteri
		Cf. P. sp.		
			"Pasithea" striata	
			Pasitheola guttula	
			P. tornatelloides	
		Penion bellus	Penion bellus*	

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
	Penion gracilis P. imbricatulus	P. b. leai Cf. P. multicostatus	P. b. leai* P. crebrissimus P. delabechii	Cf. Penion penrosei
Perissolax sp.	Perissolax eocensis P. trivolvus			
		Phalium brevicostatum*	Phalium taitii*	Phalium brevicostatum creolum P. globosum P. taitii johnsoni Cf. P. sp.
	Philine alabamensis	Planorbis andersoni	"Planaria" nitens	Platyoptera extenta
		Pleurofusia ? huppertzi P. ? h. "var." P. ? h. hammettensis P. prosseri	Pleurofusia claibarena P. longirostropis	Pleurofusia collaris P. danvicola P. d. "var." P. d. parahilgardina P. evanescens P. fluctuosa P. hilgardi P. subservata
		Pleuroliria crenulosa P. c. "var." P. c. crescens P. simplex	Pleuroliria subdeviata P. supramirifica P. tizis	Pleuroliria jacksonella
"Pleurotoma" leania "P." piscatavensis "P." tysoni "P." spp.	"Pleurotoma" capax "P." farmingdalensis "P." moniliata "P." sigma "P." sp.	"Pleurotoma" rebeccae	"Pleurotoma" tupis	"Pleurotoma" exsculpata
"Pleurotomaria" ? tintonensis "P." sp.	"Pleurotomaria" brittoni	"Pleurotomaria" perlata		"Pleurotomaria" hanoverensis "P." sp.

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Pleurotomella whitfieldi	Pleurotomella veatchi			
	Pleurotrema solariforme	Pliciscala albitesta		Pliciscala cribrum
				P. pearlensis
	Polinices sp.	Polinices aratus		Polinices weisbordi
Polinices eminulus variation			Polinices eminulus*	
P. ? julianna				
P. onustus	"Potamides" fulvarupis			
Priscoficus arguta	Priscoficus juvenis			
P. spp.	P. triserialis	Protosurcula tenuirostris		
		P. sp.	Prunum columba	Pseudoaluca clarki
				Pseudocrommium brucei
	Pseudoliva nanafaliaensis	Pseudocrommium occiduum†		
	P. ostrarupis			
	P. o. pauper			
	P. scalina			
Pseudoliva unicarinata	P. tuberculifera			
P. vetusta forma	P. vestusta forma	Pseudoliva vetusta	Pseudoliva vetusta*	Pseudoliva vetusta perspectiva
P. spp.		P. v. carinata	P. v. carinata*	
		P. v. forma		
		P. v. linosa		
		P. sp.		
	Pseudomalaxis verrilli	Pseudomalaxis plummerae	Pseudomalaxis rotella	
		P. texana	"P." tipa	
	Cf. Pseudoneptunea harrisi			
Cf. Pseudotoma bellistriata			Pseudotoma gardneri	Pseudotoma aldrichi
				P. axeli
				P. floridana
				P. heilprini
				P. h. "var."

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Pterynotus matthewsensis		Ptereulima elegans		P. h. gibsoni Psilocochlis mccalliei Pterynotus weisbordi “Ptychosalpinx” sp.
		Puncturella altior		Puncturella jacksonensis “Pusionella” marnochi
	Pyramidella anita P. mitchelliana P. obtusoides P. sp.	Pyramidella bastropensis P. cf. chavani P. lapinaria P. perexilis P. cf. propeacicula P. cf. pseudopygmaea	Pyramidella chavani* P. cossmanni P. dalli P. larvata P. perexilis* P. propeacicula* P. pseudopygmaea*	Pyramidella crassispirata P. meyeri
		Pyramimitra cf. terebraeformis	Pyramimitra olssoni P. terebraeformis*	Pyramimitra sp.
Ranella showalteri R. sp. Ranularia hula	Ranella tuomeyi		Ranellina maclurii	
	Raphitoma georgei R. specus	Raphitoma bellula R. carla R. carolia R. fannae R. liddlei R. nucleola R. n. veatchi R. rebecella R. sabinia	Raphitoma pannekoekae R. venusta	
Retusa emoryi R. spp.	Retusa sylvaerupis	Retusa adamsi R. galba R. kellogii	Retusa galba*	Retusa jacksonensis R. j. exta

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Rhinoclavis mediavia				Rhinoclavis ocalana
		Rhizorus conradianus R. loisae Cf. R. minutissimus Cf. R. smithvillensis Cf. R. volutatus Cf. R. wellsi	Rhizorus subradius	Cf. Rhizorus sp.
				Rimella smithii
Ringicula alabamensis R. spp.	Ringicula butleriana R. b. lignitifera R. dalli	Ringicula lisbonensis R. trapaquara R. t. deusseni	Ringicula biplicata R. claibornensis	
Rissoina alabamensis			Rissoina cossmanni	Rissoina mississippiensis
Rudiscala sp.	Rudiscala harrisi		Rudiscala sessilis "Scalaria" quinquefasciata	
Scalina dolosa		Scalina trapaquara S. t. adamsi S. t. engona	Scalina staminea	
Scaphander sp.	Scaphander alabamensis S. ligniticus			Scaphander jacksonensis S. richardsi
Scaphella showalteri S. spp.	Cf. Scaphella biconica Cf. S. intermedia Cf. S. newcombiana Cf. S. sp.	Cf. Scaphella parvula Cf. S. perelevata S. scaphoides Cf. S. sp.		
Sceptrum marylandicum S. sp.	Sceptrum perulum S. sp.			
	Scobinella sculpturata	Scobinella ferrosilica S. hammettensis S. nassiformis	Scobinella elaborata S. sativa	Scobinella famelica subsp. S. ? jacksonensis S. louisianae

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		S. newtonensis*		S. newtonensis subsp.
		S. reticulatoides		S. transitionalis
		"Seila" quadristriaris	Seila constricta	Seila sp.
Serpulorbis gonioides			Serpulorbis major	Serpulorbis chavani
S. sp.		Serpulorbis squamulosus	S. squamulosus*	
	Sigatica clarkeana	Sigatica boettgeri		
				Sinistrella americana
	Sinum fiski	Sinum cf. arctatum	Sinum arctatum*	Sinum danvillense
	S. spp.	S. cf. beatricae	S. beatricae*	S. sp.
		S. cf. bilex	S. bilex*	
		S. cf. declive	S. declive*	
		S. inconstans	S. spp.	
	Siphonalia ? johnsoni	"Siphonalia" newtonensis	Siphonalia perlata	Siphonalia jacksonia
	S. spp.	"S." plummeri	"S." quadrilineata	S. sullivani
			Skenea pignus	S. s. ouachitae
Solariella alabamensis	Solariella sylvaerupis	Solariella aldrichiana	Solariella cancellata*	Solariella cancellata jacksonia
	S. sp.	S. louisiana	S. fungina	
		S. stalagmium modesta	S. stalagmium*	
		S. tricostata	S. tricostata*	
Solariorbis proius	Solariorbis liniferus	Solariorbis cf. depressus	Solariorbis depressus*	
		S. sp.	S. ? planulatus	Solariorbis quadrangularis
			S. rotulus	
	S. subangulatus smithi			S. subangulatus*
	S. spp.			
Strepsidura contorea	Strepsidura heilprini	Strepsidura ficus ? or subsp.		
S.? mediavia	S. sp.			
S. spp.				
Cf. Streptochetus potomacensis			"Streptochetus" conybearii	
		Streptochetus cf. limulus	S. limulus*	
				Strombus albirupianus

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
				"S." ? sp.
		Sulcocypraea kennedyi		Sulcocypraea conradi
		S. vaughani		
	Sullivania exilloides	Sullivania fisherensis		Sullivania perexilis
	Cf. S. riscoei	Cf. s. hicoricola		
	Cf. S. tombigbeensis			
	Surcula nasuta		"Surcula" taltibia	
	S. n. "var."			
"Surculites" spp.	Surculites engonatus	Surculites annosus		
		S. cabezai		
		S. c. exoletus		
		S. cadaverosus		
	Surculoma ? nebulosa	Surculoma dumblei	Surculoma calantica	
	S. ? servatoidea	S. falsabenes	S. ? fita	
		S. kellogii		
		S. k. "var."		
		S. leoncola		
		S. penrosei		
		S. p. tabulella		
		S. ? perobesa		
		S. sabinicola		
		S. stantoni		
		S. subequalis "var."	S. subequalis*	
			S. tabulata	
			S. t. rignana	
		Sveltella cf. parva	Sveltella parva*	
		S. sotoensis	"S." turritissima	
Cf. Sveltia sp.	Sveltia gilberti	Sveltia alveata	Sveltia alveata*	
			S. priama	Sycospira eocensis
		Sycostoma americana		
		Tectariopsis ? avonensis†		

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
Teinostoma eoa	Teinostoma barryi	Teinostoma texanum	Teinostoma angulare	Teinostoma moodiense
T. sp.	T. harrisi		T. subrotundum	T. verrilli
	Tenagodus pertenuis	Tenagodus texanus		Tenagodus aspersa
		T. cf. vitis	Tenagodus vitis*	
		Terebellum sp.		Terebellum belemnitum
				T. sp.
		Terebra texagyra	Terebra mirula	“Terebra” abditiva
			T. polygyra	T. jacksonensis
			T. ziga	
	Terebrifusus sp.	Terebrifusus cf. amoenus	Terebrifusus amoenus*	
		T. multiplicatus	T. multiplicatus*	
		Texmelanatria angeloi		
		T. texana	Thiara aldrichi	
		Tiburnus texanus	Tiburnus eboreus	
Tornatellaea quercollis	Tornatellaea bella	Tornatellaea cf. lata	Tornatellaea lata	Tornatellaea lata
T. texana	T. sp.			
T. spp.				Tornus infraplicatus
		“Tornatina” angelinae		
		Transovula naviculae		
		T. symmetrica		
		T. transovuloides		
		Trematofusus venustus		
	Trigonostoma marieanum	Trigonostoma aurorae*	Trigonostoma aurorae	Trigonostoma selectum
	T. sabinetownense	T. cf. babylonicum	T. babylonicum*	
		T. cf. gemmatum	T. gemmatum*	
		T. harrisi		
		T. panones		
		T. p. juniperum		
		T. p. smithvillense		
		T. penrosei		

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		T. pulcherrimum chavani	T. pulcherrimum*	
			Triphora distincta	
		Triphora major	T. major*	
			T. similis	
			T. s. meyeri	
			Tripia anteatripla	
Tritiaria ? emoryi				Tritiaria albirupina
				T. hilli
				T. jacksonensis
				T. magnocostata
				Tritonatractus pearlensis
				T. p. danvillensis
			"Trochus" gumus	T. p. montgomeriensis
		Tropisurcula crenula		
		T. c. sabines		
	Trypanotoma carlottae	Trypanotoma longispira	Trypanotoma melanella	
	T. sp.	T. obtusa		
		T. ? terebriformis	T. terebriformis*	
		T. t. curta*		Trypanotoma terebriformis ? curta
		T. t. cooperi		
		T. sp.		
		Trypanotopsis texana		
		Tubiola nautiloides		
Cf. Tudicla sp.				Cf. Tudicla sp.
		"Turbo" biliratus	"Turbo" zecus	
			"T." sp.	Tugurium grayi
			Turboella ziga	
Turbonilla clinensis	Turbonilla agrestis		Turbonilla bidentata	Turbonilla major
T. potomacensis	T. clinensis*		T. neglecta	
	T. harrisi		T. pellegrina	

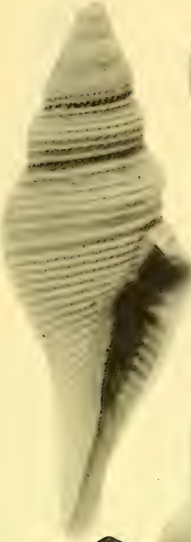
Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
	T. sabina		T. sp.	
	T. tardiusculus			
	T. tuscahomensis			
	T. sp.			
		Turricula floweri	Turricula aldreperta	Turricula plutonica weisbordi
		T. plenta		
		T. p. horrida		
"Turris" rockscreekensis	"Turris" sp.			
Turritella alabamiensis	Turritella bellifera		Turritella apita	Turritella alveata
T. aldrichi	T. eurynome	Turritella carinata	T. carinata*	T. arenicola
T. claytonensis	T. gilberti	T. c. palmerae		T. a. danvillensis
T. gardnerae		T. chirena		T. bunkerhillensis
T. hilli		T. cortezi		T. clevelandia
T. humerosa*	T. humerosa sanjuanensis	T. dumblei		T. creola
T. h. biboraensis		T. dutexata*		T. fischeri
T. kincaidensis		T. cf. dutexata	T. cf. dutexata	T. martinensis
T. levicunea		Cf. T. elongata		T. perdita
T. mingoensis		T. femina		T. p. jacksonensis
T. mortoni*	T. mortoni postmortoni	T. f. oligoploka		T. rivurbana
T. m. mediavia	T. multilira	T. ghigna	T. ghigna*	T. subtilis
T. nerinexa	T. polysticha	T. houstonia	T. obruta	T. sp.
T. ola	T. potomacensis	T. infans		
T. plummeri		T. lisbonensis		
T. praecincta variation	T. praecincta*	T. mcbeanensis		
T. saffordi	T. spp.	T. nasuta		
T. tennesseensis		T. n. variation		
T. spp.		T. n. brazita		
		T. n. felli		
		T. n. smithvillensis		
		T. pleboides		
		T. rina		

Paleocene	Lower Eocene	Middle Eocene		Upper Eocene
		L.M.U. Claiborne gr.	Gosport sd.	
		T. r. carolina T. r. sabrina T. r. wechesensis T. turneri T. vaughani T. sp.		Typhis dentatus
	Umbraculum sylvaerupis	Umbraculum sp.		Umbraculum planulatum
				Unitas pearlensis
		Uromitra brazosana	Uromitra gracilis U. ? terplicata	Uromitra grantensis
				Vasum humerosum V. ? wilmingtonense Velates floridanus Viviparus ? lyelli Voluticella levensis
	Vitrinella aldrichi "V." virginiensis V. sp.			
Cf. Volutilithes florencis				
Volutocorbis kerensensis V. limopsis V. rugatus V. r. saffordi V. texanus V. sp. ? V. sp.	Volutocorbis olssoni V. sp.	Volutocorbis cancellatus V. stenzeli		
	Volvariella aldrichi	Volvaria gabbiana V. reticulata	Volvaria alabamiensis	
Xenophora spp.	Xenophora sp.	Xenophora lapiferens X. sp.	Xenophora sp.	Xenophora humilis X. reclusa X. spp.

PLATES

Explanation of Plate 4

Figure		Page
1, 2.	**Dirocerithium whitfieldi** (Heilprin) Claiborne Bluff, Ala., Gosport sd., uppermost Claiborne gr. H. E. Wheeler Coll. Height, 103 mm.; greatest diameter, 45 mm., No. 6062 PRI	635
3.	**Dirocerithium whitfieldi** (Heilprin) Claiborne Bluff, Ala., Gosport sd., uppermost Claiborne gr. H. E. Wheeler Coll. Height, 69 mm.; greatest diameter, 30 mm., No. 6063 PRI	635
4, 5.	**Eucheilodon gabbianum** Casey Lectotype, No. 639032 USNM. Height, 10 mm.; greatest diameter, 3 mm. Photo A. A. Olsson	665
6, 7.	**Pleurofusia evanescens** (Casey) Lectotype, No. 481618 USNM. Height, 33 mm.; greatest diameter, 11 mm. Photo A. A. Olsson	829
8.	**Natica (Naticarius) reversa** Whitfield Enlargement of drawing by O. Meyer of syntype. Syntype, No. UC24516 CNHM. "Height, .3 in." (Whitfield)	792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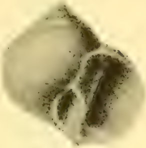
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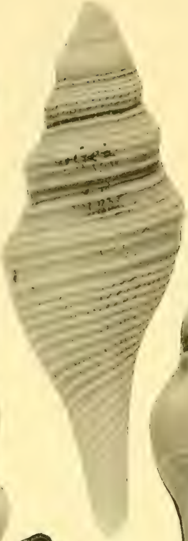
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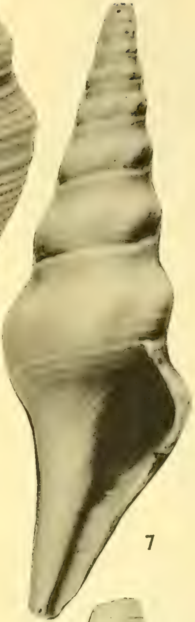
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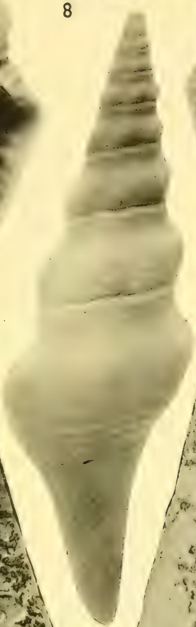
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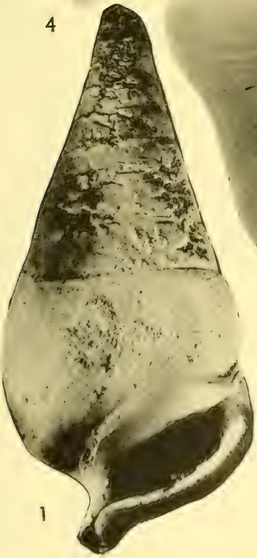
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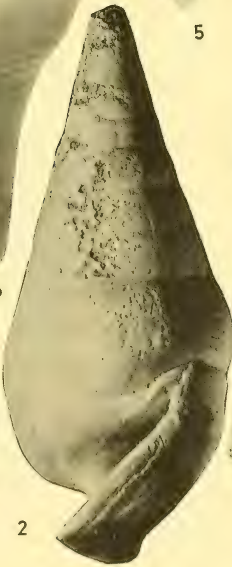
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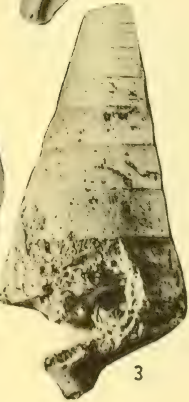
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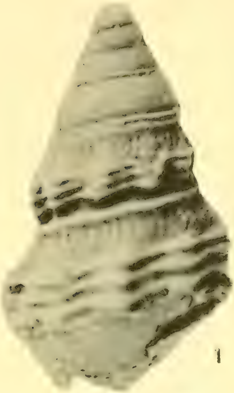
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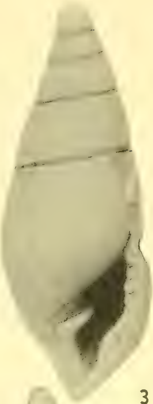
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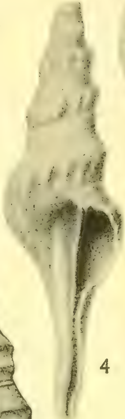
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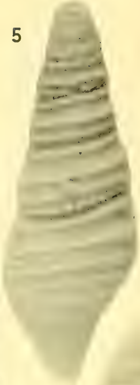
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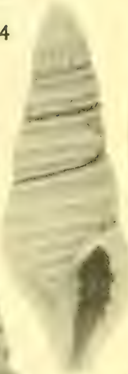
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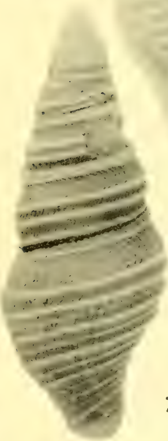
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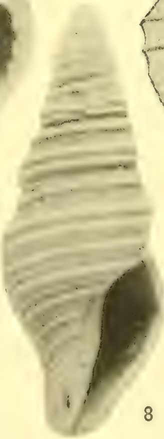
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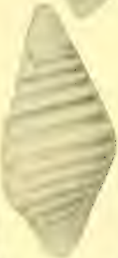
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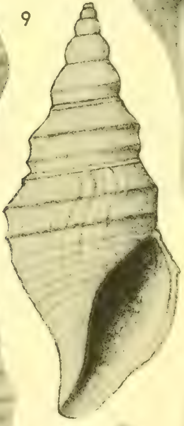
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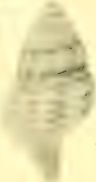
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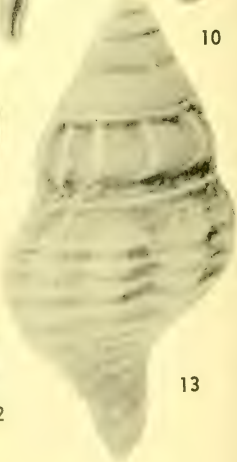
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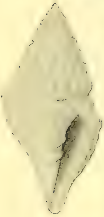
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Explanation of Plate 5

Photos by A. A. Olsson except figures 4, 11, 14

Figure   Page

1, 2. **Lyrosurcula acuta** Casey 744
Lectotype, No. 494367 USNM. Two views of the same specimen. Height, 2.7 mm.; greatest diameter 1.5 mm.

3. **Odostomia mathewsensis** (Aldrich) 804
Holotype, No. 639006 USNM. Height, 3.5 mm.; greatest diameter, 1 mm.

4. **Surcula nasuta** (Whitfield) 931
Syntype, No. UC 24507 CNHM. Height, 27 mm.; greatest diameter, 7 mm. O. Meyer drawing (enlargement).

5, 6. **Microdrillia elongatula** Casey 768
Lectotype, No. 481602 USNM. Height, 4.5 mm.; diameter, 1.5 mm.

7, 8. **Microdrillia rostratula** Casey 770
Lectotype, No. 481550 USNM. Height, 5.7 mm.; greatest diameter, 2.3 mm.

9, 10. **Microdrillia solidula** Casey 770
Lectotype, No. 481612 USNM. Height, 2.8 mm.; greatest diameter, 1.4 mm.

11. **Cochlespirella nana** (I. Lea) 590
Holotype *Fusus nanus* I. Lea, ? No. 5795 ANSP. Enlargement of drawing by O. Meyer. Height, 3 mm.

12, 13. **Lyrosurcula obsoleta** Casey 746
Lectotype, 484368 USNM. Two views same immature specimen. Height, 1.9 mm.; greatest diameter, 1.0 mm.

14. **Glyptotoma crassiplicata** (Gabb) 702
Holotype, No. 13282 ANSP. Height, 9 mm. Drawn by O. Meyer

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